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62,37



M. & S. STRAIN  
SCARLET GLOBE  
RADISH — Pkt. 10c;  
oz. 15c;  $\frac{1}{4}$  lb. 25c;  
1 lb. 90c; 5 lbs. \$4.00.  
All postpaid.

THE MEYER SEED CO.



D. H. Spaulding

# M. & S. Roland Park Lawn Grass Seed

Is Backed Up by a Seventeen-Year Reputation

WE SELL GRASS SEED IN ANY QUANTITY, BY WEIGHT ONLY

A "KEEP OFF THE GRASS" Sign Free With Every 5-Pound and Over Purchase.



HOME GROUNDS OF JOHN F. MEYER

## M. & S. Roland Park Lawn Grass

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn, which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. Our M. & S. Roland Park Lawn Grass Seed produce beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvet appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has been thoroughly re-cleaned, the light seed and chaff having been blown out. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.50; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

**M. & S. SHADY NOOK GRASS**—It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.50; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

**M. & S. PLEASURE GROUND MIXTURE**—For fair greens, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvet lawn, hence the need of a fine mixture. 1 lb. 40c; 3 lbs. \$1.15; 5 lbs. \$1.50; 10 lbs. \$3.50; bushel of 30 lbs. \$10.00.

## Beautify the Home Grounds

In considering the purposes of planting in the home grounds, more and more emphasis is being put upon providing a place of reasonable seclusion where the life of the family may be carried on in pleasant weather amid the delightful surroundings afforded by a garden. Such a place becomes, in effect, an outdoor living room. It is a logical answer to the demands of our summer weather; it carries further the idea which has popularized porch life and puts to valuable use costly space which is frequently wasted.

Why should the owner of a 50-foot lot, 100 feet deep, be satisfied to confine his real use of that area to the space covered by his house, perhaps 25 by 40? If \$1,500 be taken as the average ground value of the small home grounds, \$300 worth is all that is thus used. The rest is commonly devoted to purely ornamental front lawn, and frequently unsightly back yard used, if at all, for hanging up clothes. For an expenditure of little more than the cost of a single piece of furniture in the living room, an outdoor apartment may be built, with grass for carpet, shrubbery for walls, and flowers for decorations, which may well be the most frequented part of the home during six months of the year.

We Supply Shrubbery and Trees for These Decorations.

**M. & S. GOLF LINK MIXTURE**—This mixture is composed exclusively of fine-bladed grasses which will withstand frequent close cutting and trampling. It does not contain any White Clover, the latter not being suitable for the closely cut golf lawn. It is very important that only grasses which fulfill all requirements for the golf course are used in this mixture. 1 lb. \$1.00; 3 lb. \$2.75; 5 lb. \$4.25; 10 lb. or more, at 80c per lb.

**M. & S. SEASHORE LAWN GRASS**—Is all that its name implies. 1 lb. 50c; 3 lbs. \$1.25; 5 lbs. \$2.25; 10 lbs. \$4.25; bushel of 30 lbs. \$12.00.

**SOUTH GERMAN BENT GRASS**—Especially adapted for putting greens and wherever a velvet-like lawn is wanted. 1 lb. \$1.25. Special price in quantities on quotation.

**WHITE CLOVER**— $\frac{1}{4}$  lb. 20c;  $\frac{1}{2}$  lb. 35c; 1 lb. 60c.

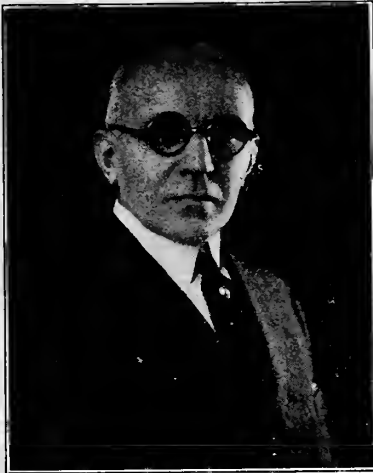
PRICES ON GRASSES ARE SUBJECT TO MARKET FLUCTUATIONS





# Seventeenth Annual Edition The Meyer Seed Co.'s Garden Book for 1927

## A Personal Message to My Friends and Customers



**I** FEEL that my relations with many of you are so intimate and have existed for so many years that a little story of my career is not out of place.

I have served many of you for thirty years, which is a source of pleasure to me, and I trust, to you. The following brief outline may be of interest.

While most boys of my age were at school, I was waiting on the trade in a small stationery store at Pratt and Gay Streets, known as Gaff Topsail Corner. Some few of you whom I am serving now were my customers then, although that was forty odd years ago.

At this store I came in daily contact with masters of sailing ships, who reached our port from every corner of the Seven Seas. Thus it was natural that I should begin to yearn for a life before the mast—after listening to their tales of strange places. Finally I received my parents consent to go to sea, and in 1887 set sail. For eleven years I followed this adventurous yet hard life, when I drifted back to Baltimore and decided to stick to dry land.

I joined the organization of one of the oldest seed houses in the United States and later served several others. Finally I had charge of the seed department of a well-known firm, in which capacity I functioned for several years.

Having gained some knowledge of the seed industry in general, and feeling myself competent, I was instrumental in founding the present firm in 1910. This business has proved a success, thanks to the active support of my friends and the cooperation of a capable personnel. It has shown a steady growth and now ranks among the representative enterprises of its kind.

Our organization is constantly on the alert to live up to our motto: "Sterling quality, courteous treatment and punctuality." We are constantly trying to secure new, proven varieties in flowers and vegetables to help make gardening a success.

With thanks for your valued patronage, and every wish for our continued pleasant business relationship,  
Yours for service,

*John F. Meyer*

President

We now take a great deal of pleasure in presenting you with our Garden Book for the season of 1927. To those who have bought from us in the past we again assure the same courteous service, high quality merchandise and prompt attention, and to those who may give us a trial this year, we wish to say that it is our intention to so satisfy them in every way that they will remain satisfied customers.

It is at all times our aim to handle only the best in any seeds, bulbs or plants we may send out, our contracts being made with the most careful growers in localities where the different varieties succeed the best and you will not regret placing orders with us.

Although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we give no warranty, express or implied as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop. It must, however, be plain to everyone who gives the matter the slightest thought that it is to our best interests to send out only such stock as will not only grow, but prove true to name and description.

Prices are subject to market fluctuations.

**IMPORTANT**—Merchandise to be credited must be returned within five days in good order free of expense to us. Parties having no account with us—who order goods without remittance—must furnish satisfactory reference. Baltimore reference preferred on account of the shorter delay pending investigation. Order Sheet is provided in this book.

Write Name and Address plainly and if your postoffice is different from express or freight office, note same carefully.

### PARCEL POST RATES

We deliver by PARCEL POST FREE to any Postoffice in the United States all cash orders for Flower and Vegetable Seeds, Peas, Beans, Corn, and Field Seeds up to 2 lbs. No seed delivered free unless order is accompanied with the cash. For postage on Peas, Beans, Corn, Field Seeds in larger quantities and All Merchandise, consult table below. All merchandise other than seeds, bulbs and plants up to and including 4 oz. in weight can be sent at the rate of 1c an ounce regardless of distance. Over 4 ozs. at the Zone Rate.

**NOTE:**—When estimating postage on goods not included in our free delivery, bear in mind that while the packing on one pound may only weigh the fraction of a pound, it must be considered as a full pound when adding postage. On larger quantities add postage in proportion.

Limit of weight for delivery within local, first, second and third zones is 70 pounds; to all other zones, 50 pounds.

When larger quantities are wanted we can pack in two or more parcels if necessary, provided money is remitted to cover postage.

	Each	1st lb.	Add'l. lb.
1 and 2 zone—150 miles.....	7c	1c	
3 zone—150 to 300 miles.....	8c	2c	
4 zone—300 to 600 miles.....	9c	4c	
5 zone—600 to 1,000 miles.....	10c	6c	
6 zone—1,000 to 1,400 miles.....	11c	8c	
7 zone—1,400 to 1,800 miles.....	13c	10c	
8 zone—All over 1,800 miles.....	14c	12c	

Poisons cannot be sent by mail. Liquids and goods packed in glass should be sent by Express



Members of ASSOCIATION OF ARMY & NAVY STORES, Inc.



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Plant in succession.  
Keep your garden space  
busy all the time, and you  
will be eating fresh vege-  
tables all summer at a profit.

# Planting Calendar

Make Your Garden Work  
Spring, Summer, and Fall.

## FLOWERS

### MARCH

Sow Outdoors	
Sweet Peas.	
Plant Indoors	
Set Out	
Ageratum	May 1
Antirrhinum (Snap- dragon)	May 15
Asters	May 10
Carnation, Marguerite.	May 1
Celosia, Cockscomb.	May 1
Cobea scandens	May 1
Heliotrope	May 10
Hollyhock	May 10
Lobelia	May 1
Pansy	May 1
Petunia	May 1
Salvia	May 1
Stocks (Gilliflower)	May 15
Verbena	May 1
Wallflower	May 1

### APRIL

Sow outdoors Nasturtiums.	
All those listed for March may also be planted in April, and, in addition, the following:	
Sow Indoors	
Set Out	
Alyssum	May 1
Calendula	May 1
Coleus	May 15
Cosmos, Late	May 1
Dahlias	May 1
Delphinium Chinese	May 15
Gourds, Ornamental	May 1
Hellanthus Sunflower	May 1
Marigold	May 1
Mignonette	May 1
Nicotiana	May 1
Phlox Drummondii	May 1
Poppy, Iceland	May 15
Ricinus (Caster-Oil Plant)	May 10
Salpiglossis	May 10
Scabiosa	May 1
Vinca rosea	May 10
Zinnia	May 1

### MAY

This is the month of outdoor sowing and planting. The following list of flowers comprises those which may be sown in the open, and which will mature into perfection before frosty weather sets in.

**Sow Outdoors**  
(Do not require transplanting)

Sweet Alyssum  
Calendula  
Calliopsis  
Candytuft  
Centaurea (Bachelor's Button)  
Chrysanthemum, Annual  
Clarkia elegans  
Cosmos, Early

### MAY—Continued

Delphinium Chinese
Dianthus (Chinese Pinks)
Eschscholtzia (California Poppy)
Gaillardia (Blanket Flower)
Godetia
Ornamental Gourds
Helianthus cucumerifolius (Miniature Sunflower)
Hunnemannia fumarlaefolia
Larkspur, Annual
Lupinus, Annual
Marigold
Mignonette
Morning Glory
Nasturtiums
Petunia
Phlox Drummondii
Poppy
Portulaca
Salpiglossis
Scabiosa
Verbena
Zinnia
and all other annuals (Should be transplanted)
Asters
Balsam
Celosia (Cockscomb)
Cosmos, Late
Dahlias
Marigold
Mignonette
Nicotiana
Ricinus

### JUNE

This is the month to sow perennials. The varieties listed below can easily be grown from seed. All of them may be sown from June till middle of September.

#### To Remain Where Sown

Alyssum saxatile compactum  
 Aconitum (Monks' Hood)  
 Aquilegia (Columbine)  
 Asters, Hardy  
 Coreopsis  
 Campanula (Bluebells)  
 Candytuft, Sempervirens  
 Hibiscus  
 Lupins  
 Poppies, Iceland  
 Poppies, Oriental  
 Sweet William  
 Valerian (Garden Heliotrope)

To Be Transplanted  
 Canterbury Bells  
 Delphinium (Larkspur)  
 Digitalis (Foxglove)  
 Gaillardia grandiflora  
 Hollyhocks  
 Pyrethrum

## FLOWERS—Continued

### JULY

This is the most important month for sowing some flower seeds. The following biennials, if sown in July and transplant-

ed in August or September, will flower the following spring.

#### Variety

Bellis (English Daisies)
Fansies
Myosotis (Forget-me-not)

## Bulbs, Tuberous Roots and Potted Plants

### MAY

Plant Outdoors	
Begonias	Dahlias
Caladiums	Gladioli
Peonies	Tuberose
Cannas	

### SEPTEMBER, OCTOBER AND NOVEMBER

Hyacinths	Lilies
Tulips	Jonquils
Narcissus	Crocus
In fact, all Spring Flowering Bulbs.	

## VEGETABLES

### MARCH

The only vegetables to be planted out-of-doors in March. All early peas and onion sets. There are a number of vegetables, however, which may be started indoors or in hotbeds.

#### Plant Indoors

Set Out	
Artichoke, Globe	June 1
Cabbage, Early	April 1
Cauliflower, Early	May 1
Celery	June 1
Eggplant	May 15
Kohlrabi	April 15
Lettuce	April 15
Parsley	May 1
Pepper	May 15
Tomato	May 1

### Outdoors

Peas, Early Smooth
Onion Sets

### APRIL

All the seeds mentioned in the March table can be started in April, and also the following:

#### Plant Indoors

Set Out	
Beets	May
Brussels Sprouts	June
Cabbage, Late	June
Cauliflower, Late	June

### Plant Outdoors

Asparagus,	Parsley
Roots	Parsnip
Beets	Peas, Early
Carrots	Wrinkled
Cress	Potatoes
Kohlrabi	Radish
Lettuce	Rhubarb, Root
Mustard	Squash Chard
Onion Seed	Squash
Onion Sets	Turnip
Set out Lettuce started in- doors in March.	

### MAY

#### Plant Outdoors

Asparagus Seed	Watermelon
Beans, Bush	Okra
Beans, Pole	Peas, Late
Corn, Sugar	Pumpkin
Cucumber	Squash
Muskmelon	

All the seeds mentioned in the April table may also be sown in May.

Set out early cabbage, early cauliflower and tomato plants started indoors in March and April.

### JUNE

#### Plant Outdoors

**Beans, Late Bush**  
**Beans, Late Pole**

Set out Globe artichokes, Brussels sprouts, late cabbage, cauliflower, celery, eggplants, and peppers which have started indoors.

Plant Swiss chard, sugar corn, lettuce, late peas, radishes, beets and turnips for late crops.

### JULY AND AUGUST

#### Plant Outdoors

Stringless Green Pod Beans
Stringless Wax Pod Beans
Ruta Baga
Winter Radishes
Kale, Turnip
Spinach

### SEPTEMBER AND OCTOBER

#### Plant Outdoors

Corn Salad, Spinach
Kale, Multiplying Onion

#### Plant Under Glass

Lettuce, Parsley
Early Radishes

## Grow Vegetables for Winter Use

After you have harvested your early crop of vegetables why not plant a second crop for winter use?

It is in winter that vegetables cost most. Your garden can be made to save you a great deal of money if you plant succession crops during the summer and early fall. Sow Beets and Carrots any time during June. Turnips are sweetest if planted the latter part of June or early in July. Summer Radishes can be sown all during June and July. Sweet Corn sown the middle of June will give fine tender ears early in October. A row of Bush Beans planted during the first

week of July will bear an immense crop of juicy and snappy pods until frost.

Cucumbers planted the last two weeks in June will make the finest pickles you ever raised.

Also try a row of Chinese Cabbage. It does best if planted early in August. For a good supply of crisp and juicy Head Lettuce for the fall table, sow the seed about the second week in July. And don't forget to sow a long row of Spinach any time during August, to give plenty of greens until snow covers the ground.

## SPRAYING TABLE

Use insecticides at the right time—and keep  
your plants and flowers free from insect pests

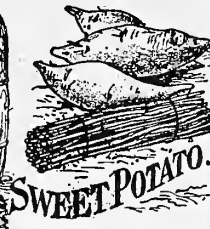
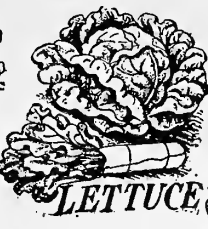
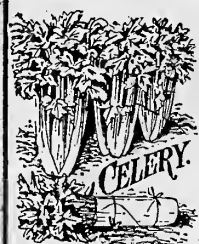
WHAT TO SPRAY AND WHAT TO SPRAY FOR	SPRAY WITH	TIME OF FIRST SPRAYING	TIME OF SECOND SPRAYING	TIME OF THIRD SPRAYING
<b>APPLES—</b>				
Bitter Rot.....	Bordeaux mixture, Pyrox.....	First appearance of rot.....	One to two weeks later.....	Two weeks later.
Canker Worm.....	Arsenate of lead, Pyrox.....	On first appearance of worms...	Two or three days later if worms remain.....	Same as second.
San Jose Scale.....	Scalecide or lime-sulphur.....	Just as the leaf buds are swell- ing.....	Just before the flower buds open.	As soon as the petals have fallen.
Scab.....	Scalecide or lime-sulphur.....	After the leaves have come out, but before the flower buds ap- pear.....	Within eight days from the time petals drop.....	One month later
Codling Moth.....	Arsenate of lead, Pyrox.....	Within eight days from the time the petals drop.....	One month later.	
<b>ASPARAGUS—</b>				
Beetle.....	Arsenate of lead, Pyrox.....	Early spring.		
Rust.....	Bordeaux mixture or Pyrox.....	After cutting crop.....	Ten days later.....	Ten days later.
<b>CABBAGE AND CAULI- FLOWER.....</b>	Slug Shot, Bug Death, Pyrox...	On first appearance of worms...	Whenever worms are noticed.	
<b>CELERY.....</b>	Bordeaux mixture, Pyrox.....	On young seedlings.....	Repeat on seedlings.....	Before or after transplanting.
<b>CHERRY—</b>				
Aphis.....	Black Leaf 40, Scalecide or lime- sulphur.....	At first appearance.....	Repeat as necessary.	
San Jose Scale.....	Scalecide or lime-sulphur.....	Spray same as for apples. Just before blossoms open.....	When fruit is free from calyx.	
Leaf-spot.....				
<b>CUCUMBERS—</b>				
Anthracnose.....	Bordeaux mixture, Pyrox.....	When plants begin to run.....	Two weeks later.....	Two weeks later.
Downy Mildew.....	Bordeaux mixture, Pyrox.....	When plants begin to run.....	Ten days later.....	Nine days later
<b>CURRENT—</b>				
Leaf-spot.....	Bordeaux mixture, Pyrox.....	As leaves are unfolding.....	Two weeks later.....	Two weeks later.
Worm.....	White hellebore, Pyrox.....	When they first appear.....	In three or four days.....	Repeat three or four days later.
<b>GOOSEBERRY—</b>				
Leaf-spot.....	Bordeaux mixture, Pyrox.....	Before leaves start.....	Two weeks later.....	Two weeks later.
Worm.....	Same as for currants.			
Mildew.....	Grape dust, Pomo dust.....	When buds are breaking.....	Repeat every ten days until fruit is gathered.	
<b>GRAPE—</b>				
Anthracnose.....	Bordeaux mixture, Pyrox.....	Just before the buds open.....	Just before blossoming.....	After fruit has set.
Berry Moth.....	Arsenate of lead, Pyrox.....	Before blossoms are ready to open.....	After blossoms have fallen.....	Ten days later.
Downy or Powdery Mildew...	Bordeaux mixture, Pyrox.....	Just before blossoming.....	After fruit has set.....	Ten days later.
Rot.....	Bordeaux mixture, Pyrox.....	Just before blossoming.....	Just after fruit has set.....	Eight days later.
<b>MUSKMELON—</b>				
Anthracnose.....	Bordeaux mixture, Pyrox.....	When plants begin to vine.....	Two weeks later.....	Two weeks later
Downy Mildew.....	Bordeaux mixture, Pyrox.....	July 25 to August 1.....	Ten days later.....	Nine days later.
Leaf-blight.....	Bordeaux mixture, Pyrox.....	When plants begin to vine.....	Three weeks later.....	Three weeks later
<b>PEACH—</b>				
Leaf-Curl.....	Scalecide, lime-sulphur or bor- deaux mixture.....	In March or April, or both, to make doubly sure.....	Two or three weeks later.	
Brown Rot.....	Self-boiled lime-sulphur and arsenate of lead.....	About time shucks are shed- ding from young fruit or on first appearance.....		About one month before fruit ripens. Omit arsenate of lead.
Scab.....	Sulfocide, self-boiled lime-sul- phur.....	Just as buds begin to swell.....	After fruit has set.....	Repeat later when fruit is about half grown.
San Jose Scale.....	Scalecide or lime-sulphur.....	Spray same as for apples		
<b>PEAR—</b>				
Leaf-blight.....	Bordeaux mixture.....	Cut out the branches on first appearance on twigs.		
Psylla.....	Black Leaf 40 or whale-oil soap	In winter use commercial lime- sulphur for eggs.	After blossoms fall.....	Repeat at intervals of three to seven days.
<b>PLUM—</b>				
Curculio.....	Arsenate of lead.....	With starting of buds.....	Just after blossoms drop.....	Five days later.
Aphis.....	Whale-oil soap, Black Leaf 40 ..	On Appearance of Aphis.		
Shot-hole Fungus.....	Scalecide, lime-sulphur or bor- deaux mixture.....	When leaves are half grown....	Three weeks later.....	Three weeks later if necessary.
Rot.....	Bordeaux mixture, Pyrox.....	As buds are swelling or on ap- pearance.....	Just after calyx drops.....	Three or four weeks later.
<b>POTATO—</b>				
Early blight.....	Bordeaux mixture, Pyrox.....	When plants are 6 inches high..	Seven to ten days later.....	Two weeks later.
Late blight.....	Bordeaux mixture, Pyrox.....	As for early blight to July.....	July 15 to 20.....	Two weeks later.
Potato Beetle.....	Paris green, slug shot bug death, Pyrox, Calcium arsenate	When pest appears.....	Repeat if necessary.	
<b>RASPBERRY—</b>				
Anthracnose.....	Bordeaux mixture, Pyrox.....	Before leaves open.....	When new canes are 6 to 8 inches high.....	Ten days later.
Saw-fly.....	Paris green and arsenate of lead or hellebore.....	When pest appears.....	Repeat in three or four days.	
Leaf-spot.....	Bordeaux mixture, Pyrox.....	When leaves are half grown....	Two weeks later.....	Two weeks later.
<b>ROSE—</b>				
Leaf-spot.....	Pomo dust, All in one dust, Pyrox	On first appearance of fungus...	Two or three weeks later.....	Repeat if necessary.
Mildew.....	Powdered sulphur, Pomo dust, All in one dust			
Slug, Aphis, etc.....	Thanatus, Black Leaf 40, Nico- fume Liquid, All in one dust	On appearance of slugs, etc....	Repeat if necessary.	
<b>STRAWBERRY—</b>				
Leaf-spot.....	Sulphate of iron, bordeaux mix- ture, Pyrox.....	Soon after growth begins.....	Make three or four sprayings during season.....	The following springs spray just be- fore blossoming and again 10 days later.
<b>SQUASH—</b>				
Aphis.....	Black Leaf 40.....	Spray under side of leaves.		
Lady Beetle.....	Arsenate of lead, Pyrox.....	As soon as pest appears.		
<b>TOMATO—</b>				
Anthracnose.....	Bordeaux mixture, Pyrox.....	Soon after fruit begins to set	Three weeks later.....	Three weeks later.
Leaf-blight.....	Whale-oil, soap and water.....	Three weeks after transplanting	Three weeks later.....	Three weeks later.
White Fly.....	Bordeaux mixture, Pyrox.....	Spray underside of leaves thoroughly		

Gentlemen:

In using Pomo dust as a preventive for mildew and black spot, a disease that roses are most susceptible to, let me say I have found the above to be the most satisfactory of any article of similar kind on the market today. I have recommended it to the Maryland Rose Society in the fullest, and hear splendid results from its using. Bushes should be treated every ten days, with a light dusting of Pomo dust, from early Spring and throughout the Summer, using a dust gun to thoroughly distribute the Material.

Baltimore, Md., October 28, 1926.

ARTHUR E. WARNER, President, Maryland Rose Society.



## Vegetable Plants and Roots

Cash with Order—No Plants Sent C. O. D.

### SPECIAL NOTICE

All of our plants are produced from our M. & S. Sure Growing Seeds, and will give wonderful results. If wanted in larger quantities, write for special quotations.

### ARTICHOKEs (Ready in April)

Jerusalem—Used for the table and stock feeding. Qt. 35c; peck \$1.50; per bushel of 60 lbs. \$5.00.

### ASPARAGUS ROOTS (Ready Oct. 15 to May 15)

The two-year-old roots usually produce two years after planting.

2-Year-Old Roots.	Doz.	100	1000
Giant Argenteuil (Light Green Stalks).....	\$0.30	\$1.25	\$ 9.00
Columbian Mammoth White (White stalks) .....	0.30	1.25	9.00
Conover's (Green Stalks) .....	0.30	1.25	9.00
Palmetto (Green Stalks) .....	0.30	1.25	9.00
Washington (Dark Green Stalks).....	0.50	2.00	15.00

If wanted by mail add 10c to doz.; 15c to 100; 35c to 1000.

### BEEt PLANTS (Ready April 1)

Popular Varieties—15c doz.; 60c per 100; by mail, add 5c to doz.; 15c to 100.

### BORECOLE PLANTS (Ready July 1)

20c doz.; 75c per 100; by mail, add 5c to doz.; 15c to 100.

### BRUSSELS SPROUTS (Ready in July)

Matchless Improved—12 for 25c; 75c per 100; per 1000, \$6.00. If wanted by mail, add 10c per 100 for postage; 5c per doz.

### FROST-PROOF CABBAGE PLANTS

(Ready January to May)

Our FROST-PROOF CABBAGE PLANTS mean increased profits for the Market Gardener, and earlier cabbage for the Home Gardens, as they produce heads at least two or three weeks earlier than plants grown in hot beds or cold frames. They are tough and hardy and will stand any reasonable cold, even as low as 20 degrees above zero without damage to them.

These plants do not begin any new growth of their tops until the spring weather arrives, however, the roots of the plants have become so firmly established that the warm spring sunshine soon hastens the growth of them.

We advise all cabbage growers to set these plants at least a month to six weeks earlier than you would set home-grown plants to get the desired results.

Send in your order about a week or ten days before plants are wanted, as it takes a few days to get plants to you.

Varieties—Early Jersey Wakefield, Charleston Large Wakefield, Copenhagen Market, Early Flat Dutch and Succession.

Prices by parcel post prepaid: 50c per 100; 500 for \$1.60; 1,000 or more at \$3.00 per 1,000 plants.

By express, customer paying express charges: 1,000 to 4,000 at \$2.00 per 1,000; 5,000 or more plants at \$1.50 per 1,000; cash with order.

### CABBAGE PLANTS (Season beginning April 1)

Early Sorts—From hot beds. 15c per doz.; 50c per 100; per 1000, \$4.00.

Late Sorts—Popular varieties. 15c doz.; per 100, 50c; \$4.00 per 1000. If cabbage plants are wanted by mail, add 10c per 100 for postage; 5c doz. Ready May 1st.

### CAULIFLOWER PLANTS (Ready April 1)

Snowball, variety only—From hot beds. 25c per doz.; \$1.50 per 100. By mail, add 5c per doz., or 10c per 100 for postage charges.

### CELERY PLANTS (Ready in July)

M. & S. Monarch, Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-Blanching. 25c dozen; \$1.00 per 100; 7.50 per 1000. By mail, allow 10c per 100 for postage; 5c per dozen.

### EGG PLANTS (Ready after May 1)

Sold in pot-grown stock only.

M. & S. Ebony King and Black Beauty—7c each; 75c doz.; \$5.50 per 100. Best sent by express. Mail, add 2c to each plant.

### HORSE RADISH ROOTS (Ready in March)

Maliner Kren (Bohemian)—Large, strong cuttings, 35c per doz.; per 100, \$1.00; \$7.00 per 1,000. If Horse Radish are wanted by mail, add 10c per 100 for postage; 5c per doz.

### KOHL RABI PLANTS (Ready April 1)

Early White Vienna—20c doz.; 75c per 100; by mail, add 10c per 100; 5c doz.

### LETTUCE PLANTS (Ready April 1)

Leading varieties—10c doz.; 50c per 100; \$4.00 per 1,000. If wanted by mail, add 10c per 100 for postage; 5c doz.

### ONION PLANTS (January to May)

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in northern garden, to produce sweet mature onions of Bermuda quality. Can be planted when ground is open and on through May. It has been proven that you can grow Bermuda Onions from Plants in every state in the United States. Frost and light freezes are a help in making a firm onion. The tops may freeze but it will not injure the bulb.

**How to Plant**—Sharpen a wooden stick, making a hole about two inches deep, place the plant in as you withdraw the stick and press dirt firmly with stroke from stick.

Cultivate very shallow as the onion roots grow near the surface and should not be disturbed. About all the cultivation needed is scratching to kill weeds.

#### VARIETIES YELLOW BERMUDA AND PRIZETAKER

Prices by parcel post prepaid: 50c per 100; 500 for \$1.60; 1,000 or more at \$3.00 per 1,000 plants.

By express charges collect: 1,000 to 4,000 at \$2.00 per 1,000; 5,000 or more plants at \$1.50 per 1,000.

### PEPPER PLANTS (Ready in May)

Ruby King and Chinese Giant (sweet), Bull Nose (hot), and Long Red Cayenne—Hot Bed Grown. 25c per doz.; per 100, \$1.50. By mail, add 10c 100; 5c doz. Potted plants, sweet varieties only, 6c each; 60 doz.; \$4.50 100; if to go by parcel post, add 1c to each plant.

### RHUBARB ROOTS (Ready October to May 15)

Victoria—First Size Roots. 10c each; \$1.00 per doz.; per 100, \$7.50. Allow 5c each or 20c dozen for postage, if wanted by mail.

### SWEET POTATO PLANTS (Ready in May)

Yellow Big Stem and Up Rivers—50c per 100; 1,000, \$4.00. If wanted by mail, allow 15c per 100 for postage.

### TOMATO PLANTS (Ready after April 15)

Pot-Grown Plants in the following varieties only: Earliana, M. & S. Incomparable, Chalk's Jewel, 5c each; doz. 50c; \$4.50 per 100. By mail, add 1c per plant.

Hot-Bed Plants all kinds and the best as above. 20c per doz.; per 100, 60c. By mail, allow 5c per doz.; 15c per 100.



We pay postage on pkts., ozs., ¼ lbs., 1 and 2 lbs. of Vegetable Seeds.

## Asparagus—Seeds and Roots

(German—Spargel. French—Asperge)  
(ROOTS READY AFTER MARCH 1st)One ounce to forty feet of drill; 5 lbs. per acre.  
7,300 Asparagus Plants are needed to plant an acre.

Washington Asparagus.

**Giant Argenteuil**—A new and entirely distinct variety that produces shoots that are very thick, green, with a purple tinge, heads slightly pointed, close. Pkg. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Columbian Mammoth White**—Pkg. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Washington**—This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust-free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. \$2.50.

**Conover Colossal**—Of large size, tender and of excellent quality. Green shoots. Pkg. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Barr's Mammoth**—Producing heavy green spears. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**Palmetto**—It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Green shoots. Pkg. 10c; oz. 15c; ¼ lb. 25c; lb. 90c.

For Plants, see page 5.

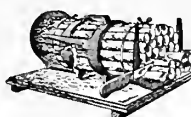
The secret of a successful garden lies in the kind of fertilizer used. This is where you get a wagon load in a 100-lb. bag.

**Wizard Brand Sheep Manure**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where you get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

**Wizard Brand Cow or Cattle Manure (Shredded)**—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.

Use Manure for your garden crops. We can sell you a whole wagon load in a bag of Wizard Brand Sheep or Cattle Manure, for much less money.

## Accessories for Asparagus Culture



**Asparagus Buncher**—Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, \$4.00. Parcel post weight, 8 lbs.

**Asparagus Knife**—V-shaped blade, 40c. Parcel post wgt., 1 lb.

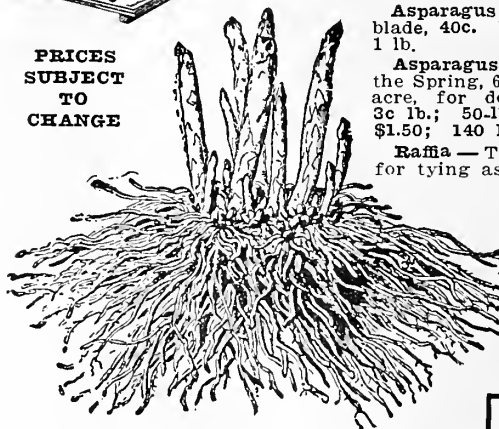
**Asparagus Salt**—Applied in the Spring, 600 to 800 lbs. per acre, for destroying weeds. 3c lb.; 50-lb. \$1.00; 100 lb. \$1.50; 140 lb. bag \$2.00.

**Raffia**—The ideal material for tying asparagus, 25c per lb. in hanks. Special price in quantity; hank runs about 2½ pounds.

**Jute Twine**—Very soft and pliable. 25c per ball.

Special price on quantities on application.

PRICES  
SUBJECT  
TO  
CHANGE

Two-Year-Old Asparagus Plants,  
see page 5.

**STIMUPLANT**  
Makes a  
WONDER GARDEN

## Artichokes

**Large Green Globe**—This is a very delicious vegetable. Some prefer it cooked like asparagus—that is, take the flower head before it begins to open and cook much the same as asparagus. Pkt. 10c; oz. 50c; ¼ lb. \$1.40; 1 lb. \$5.00.

**Artichoke Roots (Jerusalem)**—The tubers roasted or boiled, served with butter, salt and pepper, make a dish some think superior to potatoes. They are most excellent feed for cows, and will cause an increase in quantity and quality of milk.

Price, see page 5.

## Broccoli

(German—Spargelkohl)  
(French—Buccoli)

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

One ounce of seed to 200 feet of row.  
**Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt. 10c; oz. \$1.00.

**Early Purple Cape**—Rather hardier sort, with greenish-purple heads, good flavor. Pkt. 10c; oz. \$1.00.

Jerusalem  
Artichoke Root.

## Brussels Sprouts

(German—Rosenkohl)  
(French—Choux de  
Bruxelle)Improved  
Dwarf  
Brussels  
Sprouts.

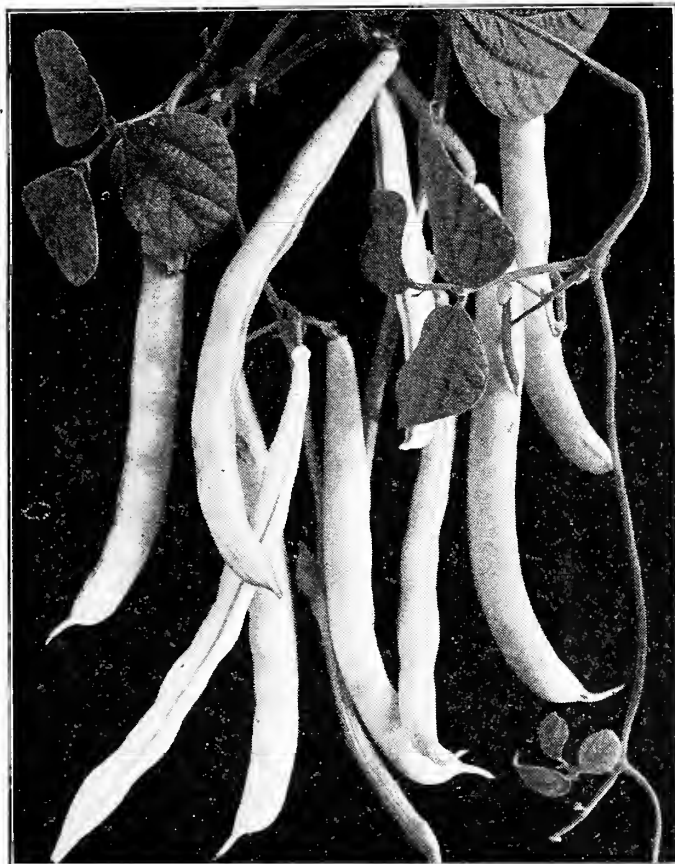
A variety of the Cabbage family, possessing the peculiarity of bearing upon its stem or stalk from fifty to one hundred buds resembling miniature Cabbage heads. The leaves composing these heads resemble Savoy Cabbage in their crumpled texture and also in their color. The heads or buds, one to two inches in diameter, form one of the most delicious garden vegetables, only equalled by the Cauliflower. Treat same as Cabbage.

**Improved Dwarf**—Produces compact sprouts of finest quality; a good keeper. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00

For Plants, see page 5.



**WIZARD**  
BRAND  
SHEEP MANURE



M. & S. Sure Crop Stringless Wax.

## BEANS—Bush Beans (Green Pod)

(German—Bohnen—French—Haricot Vert)  
Bushel Prices of Beans on Application.

Postage prepaid up to 2 lbs.; 1 lb. about equals 1 pt.; 2 lbs. 1 qt.; 15 lbs. 1 peck; 60 lbs. 1 bushel. We furnish 7½ lbs at 15 lb. rate; 100 lbs. at 60 lb. rate.

**CULTURE**—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about three inches apart in drills two feet apart, and covered about two inches deep. Successive sowings made at intervals of about two weeks until August 15th, will give a plentiful supply of Beans all season. One quart of seed will sow 100 feet of drill; two bushels will sow an acre. We furnish 10c packages of all Beans.

**Burpee's Stringless Green Pod**—An ideal variety having round slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pkt. 10c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.00; 60 lbs. \$10.00, equals 1 bushel.

**Early Red Valentine**—One of the most popular early snap beans with round, fleshy pods about five inches in length; very brittle, tender and of fine quality. Price same as above.

**Black Valentine, or May Queen**—Has very long handsome round pods, and being immensely productive places this variety as one of the most profitable for the market gardener. It is very early. Price same as above.

**Bountiful**—Easily the earliest and most productive flat, green-podded, stringless bush bean in cultivation today. Under favorable conditions of soil and season this variety has been known to bear one bushel of pods per 15-foot row, in the course of the season. The pods average 6 inches long by ¾ inches wide, are thick through, of pleasing light green color, very brittle and absolutely stringless at all stages of development. Bountiful tastes as good as it looks. Price same as above.

**M. & S. Giant Stringless Green Pod Beans**—Of finest quality, large handsome pods, some of which measure fully 6 inches in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. Price same as above.

**Full Measure**—A recent introduction. Heavy light green foliage. Very prolific. Pods 5½ to 6 inches long, stringless, round slightly curved, very good quality. Price same as above.

**Dwarf Horticultural, or Cherry**—This is a broad, long flat meaty bean, very productive, of delicious flavor; absolutely stringless. It also makes a good dried bean for winter. Price same as Burpee's Stringless Green Pod.

**White Navy, or Boston Pea Beans**—Yields large quantities of white shell beans, which are used for baking. Pkt. 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 15 lbs. \$2.00; 60 lbs. \$7.00, equals 1 bushel.

**Masterpiece**—This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors. 1 lb. 60c; 2 lbs. \$1.10.

## Wax Pod Varieties

**M. & S. SURE CROP STRINGLESS WAX**—This is a grand bean of recent introduction. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. Pkt. 10c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.00; 60 lbs. \$10.00, equals 1 bushel.

**Currie's Rust-Proof Black Wax**—Valuable for general use, being early, hardy, and a heavy yielder. Extra long flat pods of fine color and not apt to rust. Price same as above.

**Davis Kidney Wax**—Beans handsome flat yellow pods. White seed. Price same as above.

**Improved Golden Wax**—Small plants of erect growth, bearing flat thick pods about 5 inches in length, and of excellent quality. An early and reliable variety, recommended for home use. Price same as above.

## Pole String Beans (GREEN AND WAX POD)

CULTURE—Same as Pole Lima.

**M. & S. Golden Cluster Wax**—Deep yellow flat pods, often 8 inches long. Heavy yielder, bearing in large clusters. Pkt. 10c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.50.

**Horticultural or Pole Cherry**—Pods green, dashed with red when beans are matured. Very showy. Price same as above.

**Yard Long, or Snake Beans**—This is an ornamental as well as useful pole bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from two to three feet long, which when cooked make a delicious dish. Seeds very small. Pkt. 10c; oz. 25c.



Burpee's Stringless Green Pod.

**Humogerm Nitrogen Fixing Bacteria for all kinds of Beans**—Means bigger crops, healthier vines, early and more continuous crops. ¼ bus. 35c; 1 bus. 60c; 5 bus. \$2.25. It will pay you to use this when you plant peas and beans. See page 29.

Pole Beans Continued on Next Page.



Kentucky Wonder, or  
Old Homestead.

**Kentucky Wonder, or Old Homestead**—The most popular of the pole varieties, and it should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.50.

**Lazy Wife, or White Cherry**—Pods 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap bean; also a good, white shell-bean for winter. One of the very finest flavored. Price same as above.

**M. & S. Kentucky Wonder Wax**—Same as the above Kentucky Wonder with exception of beautiful yellow pods. Price same as above.

Do not forget to order  
that bag of

**WIZARD BRAND  
SHEEP MANURE**

It will make your garden  
more of a success.

## English, or Broad Windsor Beans

**CULTURE**—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy. Pkt. 10c;  $\frac{1}{2}$  lb. 30c; 1 lb. 45c; 2 lbs. 85c; 15 lbs. \$4.00. We furnish 10c packages of all Beans.

**HUMOGERM Nitrogen-Fixing Bacteria** means bigger crops, healthier vines, early and more continuous crops.  $\frac{1}{4}$  bus. 35c; 1 bus. 60c; 5 bus. \$2.25. It will pay you to use this when you plant peas and beans. (See page 29.)

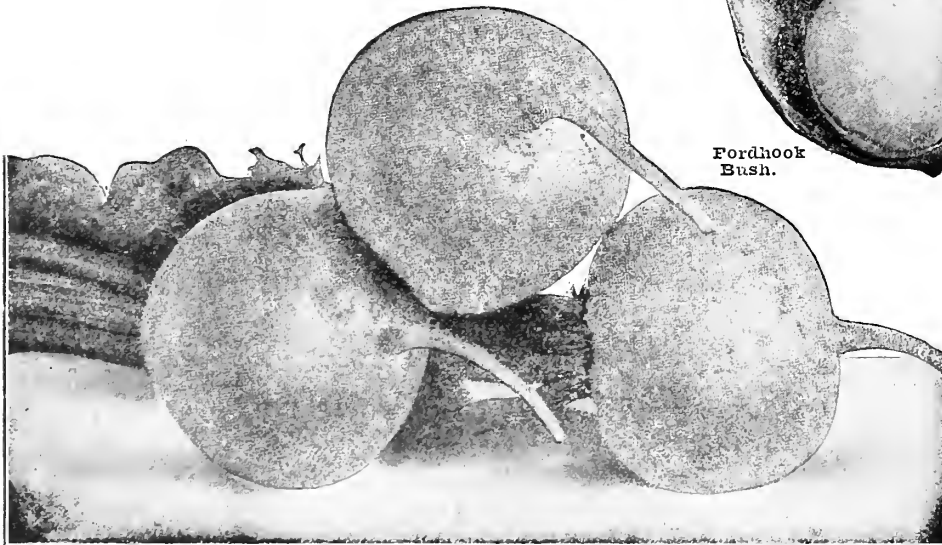
Stemmers Run, Md.

Gentlemen:

The M. & S. Detroit Dark Red Beet which I got from you this year turned out to be the finest I have ever seen.

Respectfully yours,

WILLIAM HOMBERG.



Fordhook  
Bush.

M. & S. Strain Detroit Dark Red Beet.

Gentlemen: The M. & S. Strain Detroit Dark Red Beet which I purchased from you in the spring turned out to be the best beet I have seen for some time. They all ran true to color and cut fine and it was a pleasure for me to walk from one row to another and see them growing. The other seed, such as beans, tomatoes, cabbage, spinach, etc., also gave me wonderful results and I do not hesitate to recommend them.

MR. E. RUTOWSKI.

## Bush Lima Beans

1 qt. to 100 feet of drill.

We Pay Postage on Pkts., Ozs.,  $\frac{1}{4}$  lbs., and 1 lbs.

**CULTURE**—Plant in rows two feet apart, and about one foot apart in the rows.

**M. & S. Enormous Bush Lima Beans**—As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; 1 lb. 50c; 2 lbs. 90c; 15 lbs. \$4.00; 60 lbs. equals 1 bus. \$15.00.

**Burpee's Bush Lima**—Pods abundantly and well filled with handsome beans. Price same as above.

**Fordhook Bush Lima**—Beans large, round, thick, green and of delicious flavor, bearing in clusters of from four to eight, averaging four large beans to the pod. Price same as above.

**Henderson's Dwarf Lima**—Beans are small but their flavor is excellent. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.75; 60 lbs. equals 1 bushel, \$13.75.

## Pole Lima Beans

**CULTURE**—These require pole 8 to 10 feet long. The beans should be planted in May if the season is suitable. Set poles four feet apart each way, and plant 4 to 6 beans, about 1 inch deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in frames and transplanted, 1 quart to 100 poles.

**Early Leviathan**—The earliest large pole lima; very productive. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; 1 lb. 40c; 2 lbs. 75c; 15 lbs. \$3.75; 60 lbs. equals 1 bushel, \$13.75.

**King of the Garden**—Vigorous grower, bearing large pods, 5 to 8 inches long. Beans large and of rich flavor. Price same as above.

**Carpenteria Early Lima**—Very fine, immense beans, which retain their green color a long while. Price same as above.

**Dreer's Improved, or Potato Lima**—Beans round and thick, of delicious flavor easy to shell, immense crop. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; 1 lb. 50c; 2 lbs. 90c; 15 lbs. \$4.00; 60 lbs. equals 1 bushel, \$15.00.

## TABLE BEETS

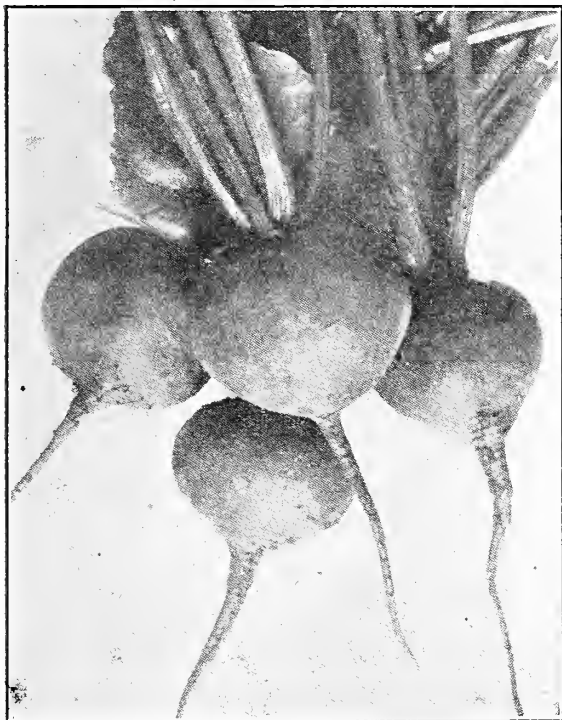
(German—Rote Rueben.  
French—Bette)

One ounce of seed sows sixty feet of drill; five pounds will sow an acre in drills.

**CULTURE**—The soil best suited to the culture of the beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early sow in hotbeds and transplant; but for main crop sow in the Spring as soon as the ground becomes fit to work, in drills 18 inches apart and two inches deep. For winter use sow as late as July. When the plants have attained three or four inches in height, thin out so that they stand five to six inches apart. Keep free from weeds. Before freezing weather sets in the roots may be stored in cellars or pits, same as Potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling.

**M. & S. Strain Detroit Dark Red Beet**—Like the Detroit Dark Red, but runs more uniform in shape and color, positively the best beet for the truck farmer, as they always bring top-notch prices on the wholesale market, or at the packers. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.35; larger quantities at \$1.25 per lb.



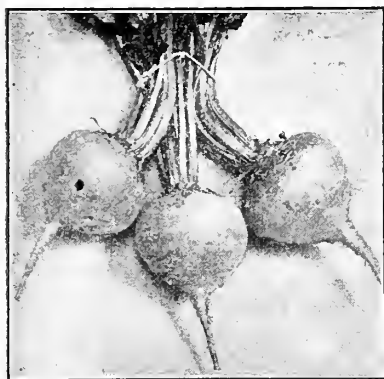


M. & S. Early Marvelous Beet.

### "M. & S." EARLY MARVELOUS BEET

The Ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 inches around with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy, and always tender and sweet; excellent for canning. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Extra Early Flat Egyptian**—Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.



Crosby's Improved Egyptian Beet.

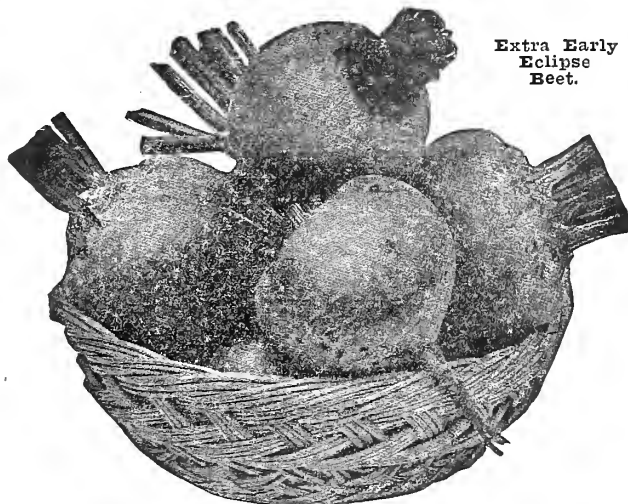
**Crosby's Improved Egyptian**—Very desirable. Thicker in body than the Egyptian, small necked and dark fleshed. Fine for early market. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Extra Early Eclipse**—Maturing in an incredibly short time, round-shape beet. Small top, and of excellent table quality. Makes an attractive seller in market. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Edmand's Blood Turnip**—This beet of American origin is the most uniform of all Turnip Beets. The root is always smooth, round and handsome; tops are small; of good marketable size. Color dark red, flesh purplish, crisp, tender and sweet. An excellent keeper. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

Gentlemen—The seed which you have produces the best looking crops I have ever seen and I do not hesitate to order whenever I am in need of some Yours very truly,

MRS. BASIL SMITH, White Hall, Md.



Extra Early Eclipse Beet.

**Detroit Dark Red Beet**—A blood red, early, turnip-shaped variety. Has small upright top; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth and a particularly desirable sort for truckers and market gardeners. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Long Smooth Dark Blood**—This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

#### BEEF PLANTS, see page 5.

**Crimson Globe**—A second early variety, does not grow large and coarse, the matured beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

#### SWISS CHARD, see page 23.

### Cow Beets

#### MANGEL-WURZEL

(German—Runkelrueben)  
(French—Betterave)

Used for feeding cattle.  
Sow five pounds per acre.

**CULTURE**—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 ins. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

**Golden Tankard**—The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Improved White Sugar Beet**—An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 60c; 5 lbs. \$2.50.

#### Sludstrup Barres Mangel

Half-long, stump-rooted yellow flesh. Outside color orange with red top. Oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Jumbo Mangel**—Immense, long, red, very fine quality. Oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Gate Post Mangel**—Large, yellow, excellent sort. Oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; 5 lbs. \$2.00.

**Mammoth Long Red**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red mangel and very valuable for stock feeding. Oz. 10c;  $\frac{1}{4}$  lb. 15c; lb. 50c; 5 lbs. \$2.00.



Gate Post Mangel Beet.

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lb.**M. & S. CHOICE CABBAGE SEED**

(GERMAN—KOPFKOHL. FRENCH—CHOU)

One ounce will produce about 2,500 plants; one-quarter pound for transplanting an acre.

**Culture**—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

**Early Varieties**

Golden Acre Cabbage, Earliest Flat.

**Golden Acre**—This is an extra early strain of Copenhagen Market maturing about ten days earlier. It will mature heads in eighty days from time of sowing, measuring nine inches in diameter, with a uniform weight of five pounds. Height of stalk is two inches and entire plant consists of thirteen leaves which allows close planting. Pkt. 25c; oz. \$1.00;  $\frac{1}{4}$  lb. \$3.00; 1 lb. \$10.00.

**M. & S. COPENHAGEN MARKET**—A valuable new early cabbage from Denmark, producing a large globe-shaped solid head, which comes into market along with Charleston Wakefield. Our seed comes direct from the originator, makes few loose leaves, it is a vigorous grower and an excellent keeper. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 90c; 1 lb. \$3.00.

**New Early**—The largest of the early cabbage. The head is roundish flat and remarkably solid. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Early Flat Dutch**—A dwarf-growing type, principally used for early summer. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Early Jersey Wakefield**—The finest oblong-shaped cabbage in existence. The head is solid, there being very few outside leaves. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Extra Early Jersey Wakefield**—Our strain of this excellent extra early, pointed head sort is without a doubt the earliest cabbage of the day. Heads are smaller than Early Jersey Wakefield, but are solid and extremely uniform in both green color and size. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.00.

**Large Charleston Wakefield**—Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, but matures one week later. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

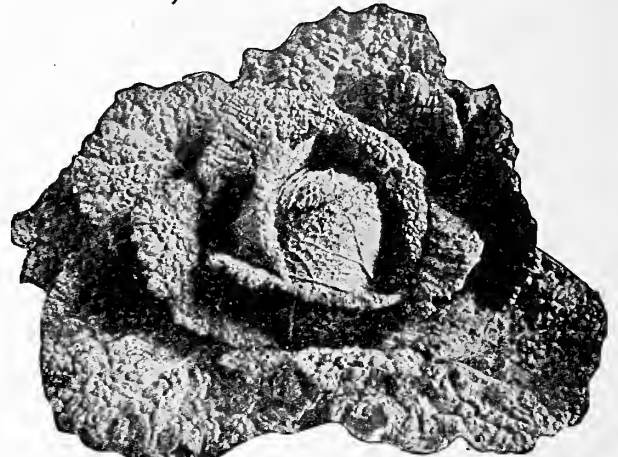
**Early York**—Resembles the Early Wakefield. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Early Winnigstadt**—Resembles Charleston Wakefield. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Second Early Varieties**

**Early Drumhead**—A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Succession**—A very popular sort with the market gardeners. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Late, or Winter Varieties**M. & S. PERFECTION DRUMHEAD SAVOY CABBAGE  
(German—Wirsing Kohl. French—Choufrise.)

**Perfection Drumhead Savoy**—A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Red Dutch Drumhead**—A red variety, used extensively for pickling. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**All Seasons (Vandergaw)**—A very large head, round and solid. It is valuable for Summer or Winter use. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Danish Ballhead**—An elegant medium late variety. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Late Flat Dutch**—Improved Strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Chinese Celery Cabbage**

**Pe Tsai**—Improved Chinese Cabbage. The market appearance of this cabbage in quantity the past few years has created a widespread demand for the seed.

It is very easily grown and does well in nearly all parts of the country. It should be grown like a late cabbage, planting in July (turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings thinned two or three times. The full-grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.50.

**Wong Bok**—Similar to the above; considered more choice by a great many. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.50.



Extra Early Jersey Wakefield.

## Carrot

(German—Moesher  
oder Gelbe Reube.  
French—Carotte)

One ounce to 100  
feet of row. 2 or  
3 lbs. to acre.

**Culture**—A light,  
loamy soil that  
has been well  
manured the pre-  
vious year is pre-  
ferred for growing  
carrots, although  
good crops may  
be obtained from  
ordinary garden  
soil. For early  
use seed may be  
sown in hotbeds  
from January un-  
til March, and in  
the open ground  
as soon as the  
weather becomes  
warm and settled,  
usually in April.  
Sow seed one-half  
inch deep in rows  
15 inches apart,  
and later thin to  
five inches in the  
row. Keep soil  
between the rows  
well hoed and free  
from weeds. From  
July 1st to 15th  
sow for Winter  
crops.

### M. & S. SOUTH- ERN PRIDE

—An ideal medium early  
stump-rooted Car-  
rot; smooth and  
uniform in shape,  
averaging five in-  
ches in length,

M. & S. Southern Pride  
Carrot.

with thick, heavy shoulders, rather large  
tops and deep orange color, almost coreless  
and of fine flavor. Positively the best carrot **Danvers Half-Long**.  
for home garden or market. Advisable for  
trucks. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Parisian Forcing**—Extremely early, of small size, but very  
sweet, tender and beautiful orange-red color. Pkt. 10c; oz. 15c;  
¼ lb. 30c; lb. \$1.00.

**Chantenay**—Top medium sized, neck small, roots tapering  
slightly but uniformly stump-rooted and smooth; color deep  
orange-red; flesh very crisp and tender. Pkt. 10c; oz. 15c; ¼  
lb. 30c; lb. \$1.00.

**Pride of Market Carrot**—Similar to the above. Same price.  
**Danvers, or Half-Long Orange**—Owing to its enormous yield,  
this variety is the best and most profitable for main crop, also  
desirable for feeding cattle. It is somewhat longer than Chantenay.  
Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

**M. & S. Strain Danvers Carrot**—Like the above, but runs more  
uniform in shape and darker in color. Advisable for trucks.  
Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Oxheart or Guerande**—A short thick carrot not exceeding four  
inches in length and about the same in width which does quite  
well on hard, heavy soils where the longer varieties are useless.  
Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

## Georgia Collards

**Georgia Collard**—Culture like Cabbage. The lower leaves are  
pulled off and used same as Cabbage Sprouts and Kale; will be  
found very delicious if you have never tried it; give it a place  
in your garden this coming season. Pkt. 10c; oz. 15c; ¼ lb.  
30c; lb. 75c.

## Corn Salad

(German—Acker Lattig.  
French—Mache)

**Culture**—Sow in  
Spring, in drills  
one foot apart; it  
will mature in six  
to eight weeks.  
For Winter and  
early Spring use,  
sow in drills in  
August and Sep-  
tember. Three  
ounces of seed to  
100 feet of drill.  
Will do well if  
sown in spring.

**Large Leaved** —  
Pkt. 10c; oz. 15c;  
¼ lb. 25c; lb. 75c.

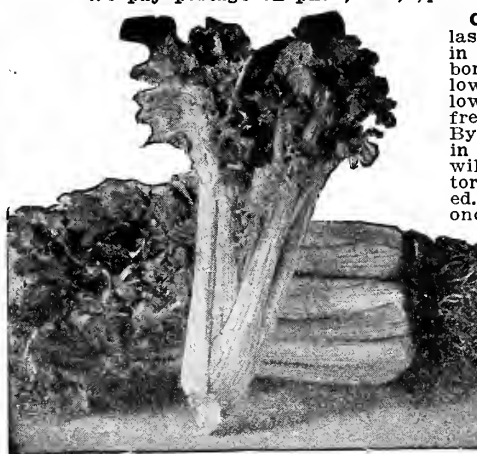


Corn Salad

## Celery

(German—Sellerie. French—Celeri)

One ounce will produce about 2,000 plants.  
We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.



M. & S. Magnificent

**Culture**—Sow the  
last of March or early  
in April, in an open  
border, in rich, mel-  
low ground, in shal-  
low drills, watering  
freely in dry weather.  
By rolling or pressing  
in the seed the result  
will be more satisfac-  
tory than when cover-  
ed. Cut the tops off  
once or twice before  
planting out, to  
make them  
stocky. When the  
plants are five or  
six inches high  
transplant the  
dwarf varieties 3  
feet, and the  
taller sorts 4  
feet between the  
rows; plant 6  
inches apart in  
the rows. Culti-  
vate well, and  
when large  
enough, blanch  
by earthing up.

The first operation is that of "handling," generally done the be-  
ginning of September; after the soil has been drawn up with the  
hoe it is drawn closer around each plant by the hand to keep  
the leaves firm, in an upright position, and to prevent spreading.  
When the plants have become set in an upright position the  
Celery wanted for early use should be banked, by throwing the  
soil up as close to the plants as possible with a plow and finish-  
ing it with a spade, bringing the earth up nearly to the tops  
of the plants.

**M. & S. MAGNIFICENT**—It is well named for its many good  
qualities; it is a semi-late sort, coming into use about January.  
The stalks which blanch almost white are exceedingly brittle,  
so that it has a tendency to melt in the mouth; it is a truly good  
sort and should be planted extensively. Pkt. 10c; oz. 25c; ¼  
lb. 75c; lb. \$2.50.

**M. & S. MONARCH**—This variety is a decided acquisition in  
green Celery, producing large stalks, and magnificent bright  
golden yellow heart. The stalks are very solid, brittle and of  
most delicious flavor, and entirely free from stringiness. It is a  
remarkably good keeper and presents a handsome appearance  
when ready for the table. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**M. & S. Golden Plume**—Resembles Golden Self-Blanching,  
but is larger and ranker in growth, more plainly ribbed,  
blanches quicker, matures earlier, does not blight and is just  
as crisp and has the same flavor. Pkt. 25c; ½ oz. \$1.25;  
1 oz. \$2.25; ¼ lb. \$7.50.

**Golden Self-Blanching**—For early use; preferred by many to  
all other sorts; as self-blanching as White Plume, and simply  
needs a slight earthing-up. Pkt. 10c and 25c; oz. 40c; ¼ lb.  
\$1.25; lb. \$3.75.

**French Golden Self-Blanching**—(Pure Stock). Pkt. 10c and  
25c; oz. \$1.00; ¼ lb. \$3.50; lb. \$12.00.

**White Plume**—Unsurpassed for Fall and early Winter use,  
requiring very little earthing-up to blanch it. Pkt. 10c; oz. 25c;  
¼ lb. 60c; lb. \$2.00.

**Giant Pascal**—The stalks are  
very large, thick, solid, crisp and  
of a rich nutty flavor, good keeper.  
Pkt. 10c; oz. 25c; ¼ lb. 60c; lb.  
\$2.00.

**Golden Heart**—Largely used, al-  
ways giving satisfaction; a showy  
sort; solid, of fine flavor and a good  
keeper. Pkt. 10c; oz. 25c; ¼ lb.  
60c; lb. \$2.00.

**Boston Market**—A short, bushy  
variety, constantly increasing in de-  
mand. Pkt. 10c; oz. 25c; ¼ lb.  
60c; lb. \$2.00.

**Winter Queen**—This variety  
grows a very thick, solid and heavy  
stalk, and has a large heart. It is  
a close, compact grower, and when  
blanched is a creamy-white color.  
Pkt. 10c; oz. 25c; ¼ lb. 60c;  
lb. \$2.00.

**Pink Plume**—The stalks when  
blanched are a beautiful rose-pink.  
Pkt. 10c; per ½ oz. 20c; oz. 35c.

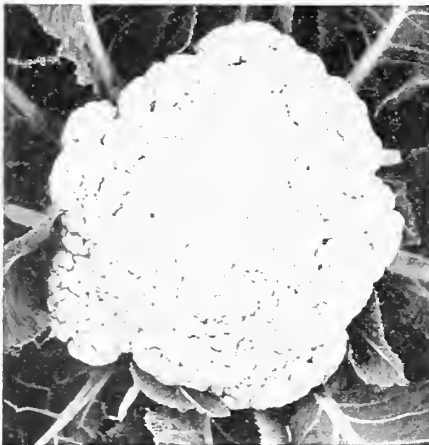
**CELERY PLANTS, SEE PAGE 5.**

**Giant Prague Celeriac**—This is  
unquestionably the largest and best  
Celeriac in existence, very large,  
almost globe-shaped, smooth, with  
only a few roots at the bottom.  
Flavor is excellent. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00.



Giant Prague Celeriac.





M. &amp; S. Early Snowball Cauliflower.

## Cauliflower

(German—  
Blumenkohl.  
French—  
Chou-Fleur)

One ounce of seed  
for 1,500 plants.

**Culture** — When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of Cabbage. For early Fall crops, sow in May and transplant in June, in rows of four feet

apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

**M. & S. EARLY SNOWBALL**—An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. **Pkt. 10c, 25c and 50c; oz. \$1.50; ¼ lb. \$5.00.**

**Dry Weather or Danish Giant**—The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. **Pkt. 10c, 25c, 50c; \$1.50 per oz.; ¼ lb. \$5.00.**

**Select Early Dwarf Erfurt**—Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. **Pkt. 10c, 25c and 50c; oz. \$1.50; ¼ lb. \$5.00.**

**Veitch's Autumn Giant**—A distinct and valuable late variety; heads large and fine, well protected by foliage. **Pkt. 10c; oz. 75c.**

CAULIFLOWER PLANTS, PAGE 5.

## SWEET, or SUGAR CORN

(German—Zuckermals. French—Mais)

One quart will plant 200 hills; eight quarts in hills to acre.

Sugar Corn varies in weight according to variety. We have decided to list 44 lbs. as a bushel, except Adams and Red Cob or 90 Day, which weighs 56 lbs. to bushel.

Postage prepaid up to 2 lbs.

½ pound equals slightly more than ½	Pint
1 pound equals slightly more than 1	Pint
2 pounds equal slightly more than 1	Quart
6 pounds equal about ½	Peck
12 pounds equal about 1	Peck
44 pounds equal about 1	Bushel

**Culture**—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and 2½ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

**Extra Early Adams**—Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. **Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 2 lbs. 45c; 7 lbs. \$1.00; 14 lbs. \$1.75; 56 lbs. \$6.00.**

**Early Adams**—Similar to Extra Early Adams; larger, but not so early. **Price same as above.**

**Bardens Wonder Bantam**—A yellow sugar corn with all that the name implies, making ears up to 9½ inches long; deliciously sweet and of unsurpassed flavor. Matures only about a week later than Golden Bantam. A strong grower and very productive. **Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 2 lbs. 90c; 6 lbs. \$2.00; 12 lbs. \$3.75. See illustration, below.**

**EARLY SHEFFIELD**—The best early Sugar Corn for truckers, making fine large ears. ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 6 lbs. \$1.50; 12 lbs. \$2.50; 44 lbs. \$7.50.

**Black Mexican**—An old favorite, being very tender and sweet. **Price same as above.**

Preston, Md.

Gentlemen:

Send me one of your catalogues. I had half a pound of your M. & S. Early Snowball Cauliflower last year and it was fine.

Yours truly,

A. W. FLUHARTY

**Golden Bantam**—Extremely early. A true sugar corn. The grain when ripe is a bright golden-yellow, the flavor is exceptionally rich and sugary. Produces from two to three good ears to the stalk. **Price, ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 6 lbs. \$1.50; 12 lbs. \$2.50; 44 lbs. \$7.50.**

**Howling Mob**—Another new early Sugar Corn, with fine, large ears, excellent for truckers or the home gardener. **Price same as above.**

**Peep-O-Day**—This corn has two valuable points—extraordinary earliness and unsurpassed sweetness. **Price same as above.**

**GOLDEN CREAM**—The originator says: "It is good enough to eat raw." It is a cross between Country Gentleman and Golden Bantam; has the color of the latter and the fine quality of the former. It is really a very early yellow Country Gentleman—that means earliness, good size and first-class roasting ears. **Price same as above.**

**M. & S. SNOW WHITE EVERGREEN SUGAR CORN**—It produces large uniform ears, which are well filled to the top with beautiful white kernels; it is 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. **Price same as above.**

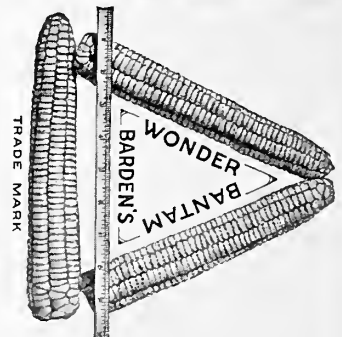
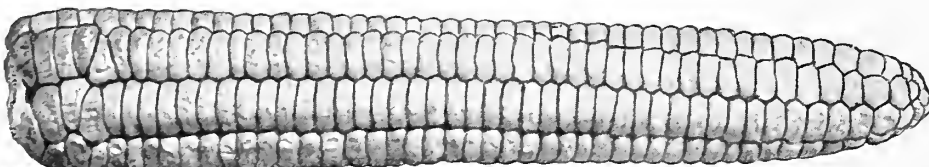
**Country Gentleman or Shoe Peg**—A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. **Price same as above.**

**Stowell's Evergreen**—Matures for table in about 80 days from germination. **Price same as above.**

**Early Mammoth**—Price same as above.

**Late Mammoth**—Price same as above.

**Red Cob, or 90-Day Corn**—A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. 1 lb. 25c; 2 lbs. 40c; 7 lbs. 75c; 14 lbs. \$1.25; 56 lbs. or 1 bushel, \$4.25.



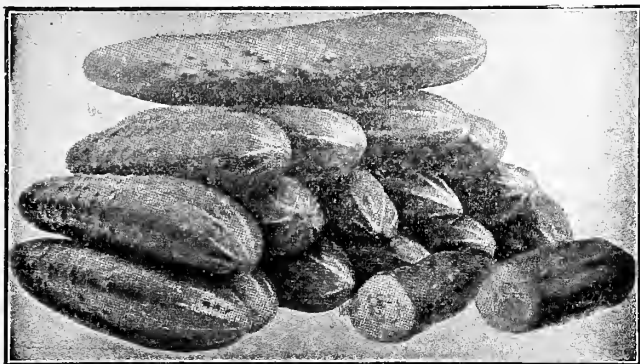
We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

## Cucumber

(German—Gurke. French—Concombre)

One ounce will plant fifty hills; two pounds, one acre.

**Culture**—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.

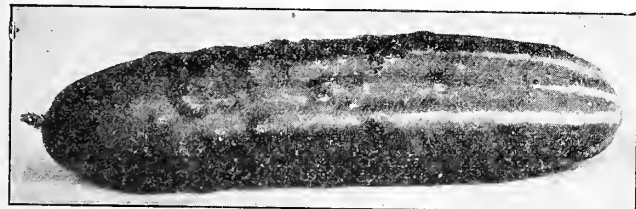


Early Fortune Cucumbers.

**Early Fortune**—A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35.

**New Klondike**—One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35.

**Improved Early White Spine**—The old standard favorite. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35. Special prices on large quantities.



New Klondike.

**Arlington White Spine**—Another standard sort. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35. Special prices on large quantities.

**Improved Long Green**—Long and crisp; a popular and reliable variety for pickles. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**Japanese Climbing**—Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**Jersey Pickle**—Productive and said to "green" better than any other variety, and to "hold color." Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.35.

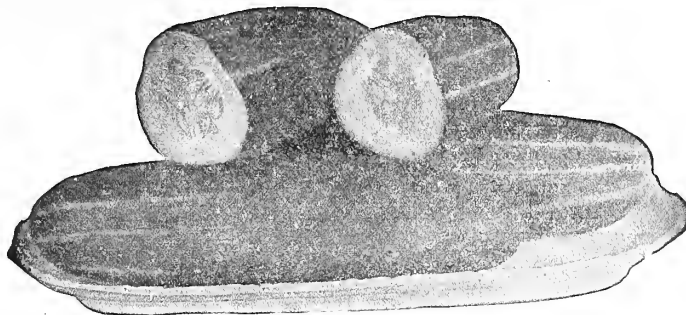
**Early Green Cluster**—A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Small Gherkin, or Burr**—Used only for pickling while young and tender. Pkt. 10c; oz. 25c.

**Danish Pickling Cucumber**—A new introduction from Denmark. Seeds extremely scarce. A very prolific grower producing small dark green warty fruit, especially desirable for pickling. Pkt. 10c; oz. 25c.

**Lemon Cucumber**—A very productive variety with round or slightly oval fruits of light creamy yellow color; of distinctive flavor and desirable quality either for slicing or pickling. The fruits are ready for slicing when just starting to turn yellow. For pickling they may be used either green or ripe. Pkt. 10c.

**English Forcing Telegraph Cucumber**—These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c; 100 seeds, \$1.25.



M. & S. Cool and Crisp.

**M. & S. COOL AND CRISP**—Ideal for home and market gardening. Extra early and very prolific, long straight, slender and very dark green; good either for pickling or slicing. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 45c; 1 lb. \$1.50.

## Cress : Chervil

(German—Kresse) (German—Kerbel)

**Water Cress**—Sow early in spring near pond or running water; when established will last for years. Pkt. 10c; oz. 50c.

**Land Cress or Pepper Grass**—Sow in early spring in rows two feet apart, and repeat often as it runs to seed very quickly. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c.

**Chervil**—Sow like the above, used as a salad seasoner. Pkt. 10c; oz. 25c.

## Dandelion

(French—Pissenlit. German—Loewenzahn.)

One ounce to 100 feet of row.

**Culture**—Plants usually come up small and feebly. Sow seed in good clean loam, in drills 1 foot apart, and thin or transplant to 10 or 12 inches apart in the rows. May be blanched by covering with leaves or other loose litter, or by placing a large inverted flower pot over each plant.

**Broad-Leaved**—Pkt. 20c; oz. \$1.00;  $\frac{1}{4}$  lb. \$3.50.  
**Improved Thick-Leaved**—An improved variety. Pkt. 20c; oz. \$1.00;  $\frac{1}{4}$  lb. \$3.50.

## Eggplant

(German—Eierpflanze. French—Aubergine)  
One ounce will produce about 1,000 plants.

**Culture**—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary.

**M. & S. Ebony King**—As its name implies it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c;  $\frac{1}{2}$  oz. 25c; 1 oz. 50c;  $\frac{1}{4}$  lb. \$1.75.

**New York Improved Purple**—The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality; very productive. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.50.

**Black Beauty**—The earliest large variety; color, rich, dark purple. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.50.



M. & S. Ebony King.

EGGPLANT PLANTS, SEE PAGE 5.

## Whitloof Chicory, or French Endive

(German—Succory. French—Chicoree)

**Whitloof Chicory, or French Endive**—Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard, which was only planted very sparingly a few years ago. Every garden should have a row of Whitloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Whitloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Large Rooted Chicory**—The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like salsify. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.



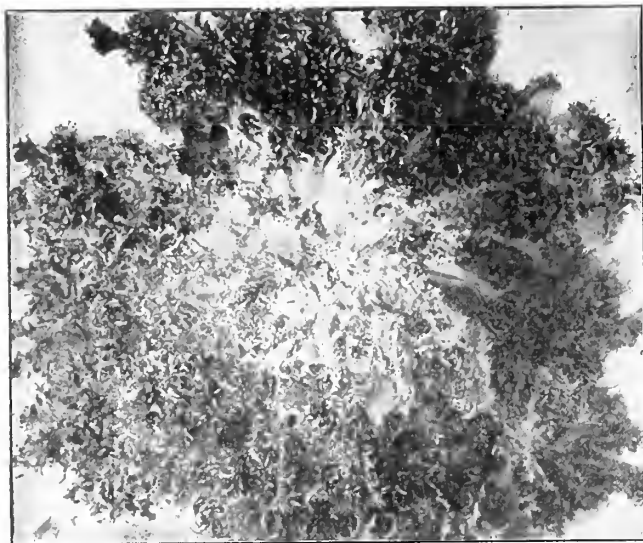
Whitloof Chicory.

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

## Endive

 (German—Endivie.  
French—Endive)

**Culture**—Sow in June, July and August; cover lightly; when up thin out to eight inches apart, and water well afterwards, if dry. When the leaves are 6 to 8 inches long, blanch by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.



White Curled Self Blanching Endive.

**Green Curled**—Tender and crisp. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**White Curled**—Self-blanching. Very tender when young; blanches readily. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

**Broad Leaved Batavian (Escarrole)**—This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 10c; 1 oz. 15c; ¼ lb. 40c; lb. 1.25.

## Herbs

 (German—Krauter.  
French—Herbes)

**Culture**—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

**Anise**—Pkt. 10c.  
**Balm**—Pkt. 10c.  
**Bene**—Pkt. 10c.  
**Catnip**—Pkt. 10c.  
**Cumme**—Pkt. 10c.  
**Pennyroyal**—Pkt. 10c.  
**Peppermint for Flavoring**—Pkt. 10c.

**Tansy**—Pkt. 10c.  
**Borage**—Pkt. 10c.  
**Caraway**—Seeds used to flavor bread. Pkt. 10c; oz. 25c.  
**Coriander**—Pkt. 10c.  
**Dill**—The seeds are used as a condiment and for pickling. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c.

**Fennel, Sweet**—A hardy perennial, indigenous to Southern Europe. The leaves are extensively used in sauces for flavoring. Sometimes eaten raw. Pkt. 10c; oz. 25c; ¼ lb. 75c.

**Horehound**—For medicinal purposes and flavoring. Pkt. 10c.  
**Lavender**—For flavoring and perfumery. Pkt. 10c.

**Martynia**—Produces long green pods which are used for pickling. Pkt. 10c; ½ oz. 25c.

**Rosemary**—Leaves used for seasoning. Pkt. 10c.

**Rue**—Pkt. 10c.

**Sage**—For seasoning and dressing. Pkt. 10c; oz. 40c.

**Summer Savory**—Used for flavoring. Pkt. 10c; oz. 25c.

**Sweet Basil**—For flavoring soups. Pkt. 10c; oz. 25c.

**Sweet Marjoram**—Leaves and ends of shoots used for seasoning. Pkt. 10c; oz. 40c.

**Saffron**—For medicinal and coloring purposes. Pkt. 10c.

**Thyme (Broad Leaf)**—For seasoning, also for making tea for nervous headache. Pkt. 10c; oz. 50c.

**Woodruff**—A sweet scented herb which is used as essence in the German Maitrank. Pkt. 15c.

**Wormwood**—Pkt. 10c.

## Finocchio, or Florence Fennel

A delicious vegetable which should be more largely grown. It is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hens egg it should be earthed up so as to cover half of it, and in about ten days cutting for use may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery, but it has a sweet taste and delicate odor. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

## Kohl-Rabi

One ounce will sow 150 feet of drill.

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

**Earliest White Vienna**—Greenish white outside, with clear white flesh within. Smooth, short leaf. Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

**Earliest Purple Vienna**—Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 10c; oz. 25c; ¼ lb. 75c.

**KOHL - RABI PLANTS, SEE PAGE 5.**



Earliest White Vienna Kohl-Rabi.

## Kale, or Borecole

 (German—Kranskohl.  
French—Chou Vert)

One ounce sows a drill of about 100 feet. 2 to 3 lbs. to the acre.

**Culture**—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

**BORECOLE PLANTS, SEE PAGE 5.**

**Emerald Isle Kale**—This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00.

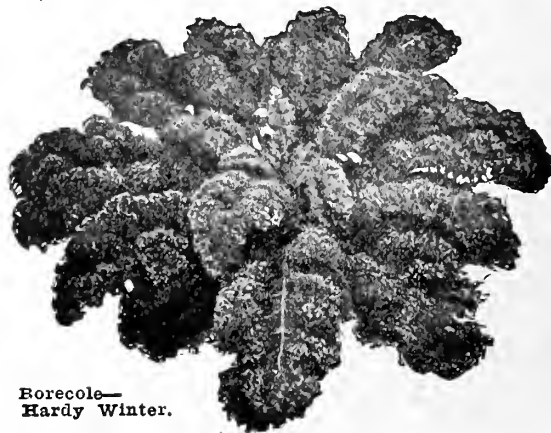
**Dwarf Green Kale**—Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60.

**Tall Scotch**—Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.

**New Imperial Curled Long Standing**—The leaves are very crimped and of a dark green color. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 60c.

**Dwarf Green Curled Scotch, or Norfolk**—One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 85c.

**Sea Kale**—Not a true Kale (a member of the Cabbage family) but a perennial which should be grown and cultivated like rhubarb. The edible parts are the young, strong shoots that come up in early spring. When blanched, they are cooked and served like asparagus, or the leaves may be used as greens. Pkt. 10c; oz. 30c.

Borecole—  
Hardy Winter.

**Borecole, Hardy Winter**—This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Do not forget to order that bag of **WIZARD BRAND SHEEP MANURE**. It will make your garden more of a success.



We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

Don't Forget to Order That Cart Load of Manure in a 100-Pound Bag

## M. & S. CHOICE STRAINS OF LETTUCE

(German—Salat. French—Laitue.)

Two ounces of seed to 100 yards of row; one ounce for 2000 plants

**Culture**—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For winter use sow the seed in September in hotbeds and follow it with other sowings for succession.



Big Boston Lettuce.

**Big Boston**—Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Los Angeles, New York, or Wonderful**—This very large heading lettuce is desirable not only as a garden variety for summer use but is much used as a fall and winter market sort. It is the variety largely grown in California and shipped to eastern markets under the trade name of Iceberg. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use. Cultivate same as Big Boston. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**May King**—This valuable Lettuce is, without any question, one of the best Lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.



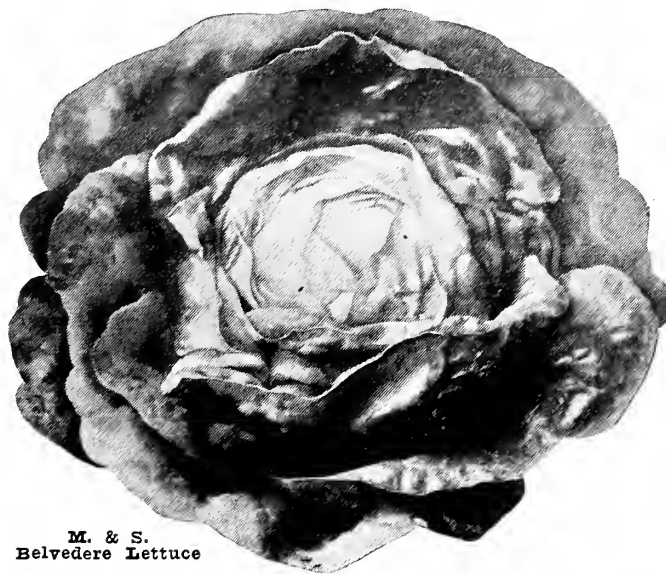
Cos Lettuce

Romain White Cos Lettuce

marked with brown specks. This is a variety growing in favor. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Boston Market, or White-Seeded Tennisball**—Early and compact, quite desirable, good forcer. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Black Seeded Tennis Ball**—Similar to above. Price same.



M. & S.  
Belvedere Lettuce

**M. & S. BELVEDERE LETTUCE**—In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. The M. & S. Belvedere is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Oak Leaf**—Quite popular. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Iceberg**—Leaves green, heads large, solid, one of the best large-growing cabbage lettuces. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.



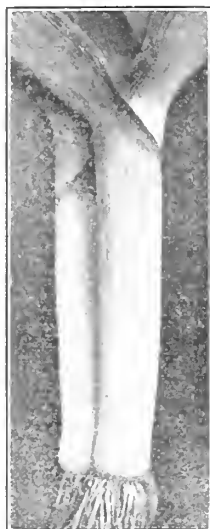
All Season M. & S. Strain.

**M. & S. STRAIN ALL-SEASON**—A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Way-a-Head**—Similar to the above, but suitable for all-season in or out-door planting. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.

**Black Seeded Simpson Lettuce**—Fine, large, loose heads, early, finely fringed and curled, very popular for family garden and forcing. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

LETTUCE PLANTS POPULAR VARIETIES, SEE PAGE 5.

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

Flag Leek

## Leek

(German—Lauch. French—Poireau)  
One ounce to 150 feet of row.

**Culture**—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**Giant Carentan**—Produces a large, thick stem and of mild flavor. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

**American or Flag**—One of the hardiest and best for Winter use. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.

## Pure Culture, Spore Process Mushroom Spawn

Prices for Pure Culture, Spore Process Spawn (if ordered to be sent by Parcel Post, include postage, according to zone; a brick weighs  $1\frac{1}{4}$  lbs.). 1 brick, 25c; 5 bricks, \$1.00; 25 bricks, \$4.50; 50 bricks, \$8.50; full case, 100 bricks, \$16.00.

**Mushroom, or Hotbed Thermometers**—Wood frame, heavy brass point. Price, \$2.25. Parcel post weight, 2 lbs.

Leaflet on Growing Mushrooms free.

## Mustard

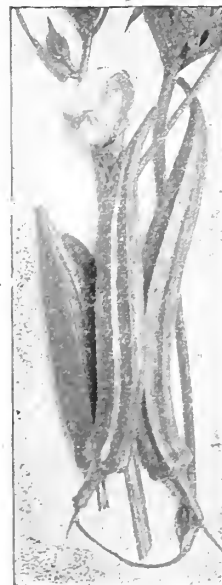
(German—Senf. French—Moutarde)

One ounce will sow 100 feet of drill.

**Culture**—A small, pungent salad, used like cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly in shallow drills 6 inches apart. Since plants go to seed quickly, short rows should be sown frequently, rather than long ones at one time. Successive sowings can be made every week or two. To grow seed, sow in April, in rows 1 foot apart, and thin out to 3 inches apart when 2 inches high.

**Chinese**—Large, light green leaves, frilled at edge. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Southern Giant Curled**—Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

Improved Dwarf  
Green Prolific Okra

## Okra, or Gumbo

(German—Safran)

Four ounces to 40 feet of drill.

**Culture**—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

**White Velvet, or Lady Finger**—Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

**Improved Dwarf Green Prolific**—Of dwarf growth, but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 20c; lb. 60c.

**Perkins' Mammoth Podded**—A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 60c.

## Onion

(German—Zwiebel.  
French—Eignon)

**American Grown Seed.** One ounce for 100 feet of drill; six pounds for one acre.

**Culture**—For sets sow the seeds early as possible in the Spring, very thickly in drills. As soon as the tops dry off in the Summer remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions of this process obtained are of large size early in the season also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 or 4 inches apart in the drills.

**Prizetaker**—This is the large, pale yellow onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised the first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.50.

**Yellow Globe Danvers**—One of the most extensively used yellow onions. Price same as above.

**Large Red Wethersfield**—Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Price same as above.

**White Silverskin**—Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Price same as above.

**Australian Brown**—A brown skinned onion which grows to a good size the first season. Price same as above.

**Southport White Globe**—The earliest of the Southport Globes, perfecting a very handsome product within 90 days from sowing seeds. The bulbs are pure white and of a very mild flavor, also equally as good for keeping as the Yellow Globe. The flesh is remarkably firm and solid. It is an enormous yielder, and as it is very attractive, always sells at high prices. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.50; lb. \$5.00. **ONION PLANTS, SEE PAGE 5.**

**White Bermuda**—They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. Pkt. 10c; oz. 50c.

**Red Bermuda**—Pkt. 10c; oz. 50c.

**Chives Seed**—Pkt. 10c; oz. 75c.

## Onion Sets

One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in five weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

**Yellow Danvers**—Pt. 20c; qt. 30c; pk. \$1.25; bu. of 32 lbs. \$4.50.  
**Large Red Wethersfield**—Pt. 20c; qt. 30c; pk. \$1.25; bu. of 32 lbs. \$4.25.

**White Silver Skin**—Pt. 20c; qt. 30c; pk. \$1.50; bu. of 32 lbs. \$5.00.

**Japanese, or Ebenezer Onion Sets.** This variety is globe-shaped, about the color of a yellow Danvers, is very solid and has a mild flavor. It will keep longer than any other variety. Pt. 20c; qt. 30c; pk. \$1.50; bu. \$5.00.

**Multiplier Onion Sets,** yellow and white and Egyptian Top Onion, Brown, are furnished in Sept. and Oct. Market price.

Price on Onion Sets subject to change.

Prices on larger quantities furnished on request.

If ordered to be sent by Parcel Post, include postage according to zone; a quart of Onion Sets weighs about 1 lb.

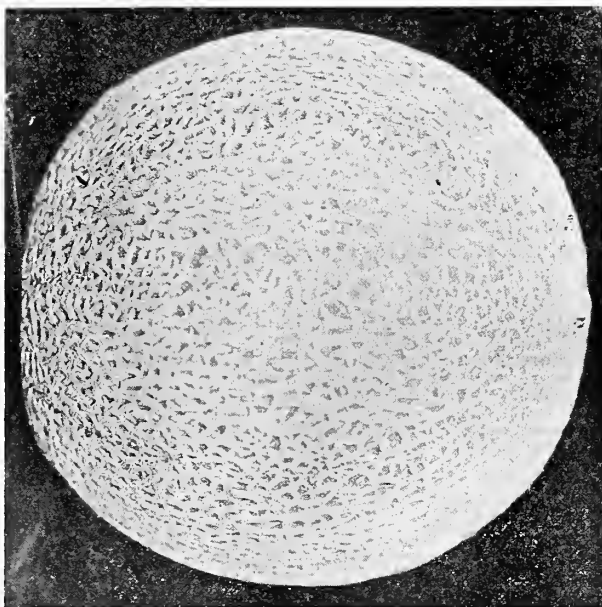
ONION SEED IS SCARCE AGAIN THIS YEAR, OUR LOW PRICES WILL HOLD GOOD AS LONG AS OUR SUPPLY LASTS.



We Pay Postage on Pkts., Ozs.,  $\frac{1}{4}$  lbs. and Lbs.

## MUSKMELONS or CANTALOUPE

(German—Melone. French—Cantaloup). One ounce will plant about 50 hills; two to three pounds in hills to acre.



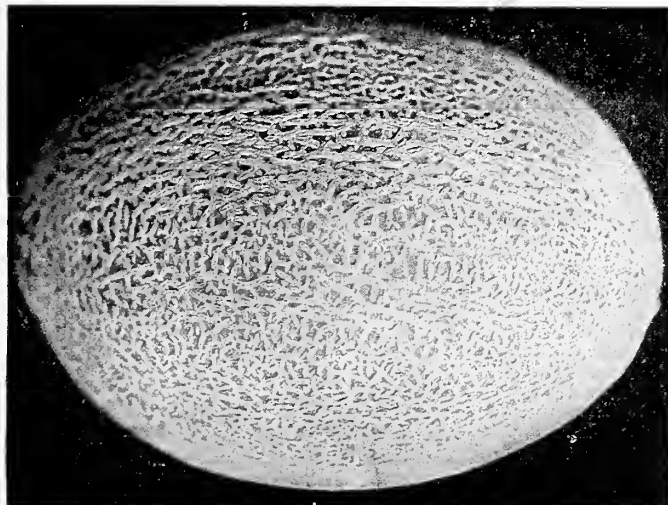
Salmon Tint No. 10-25.

**Culture**—Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on piece of sod.

**SALMON-TINT No. 10-25**—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon-tint shading to green near the rind. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Bottomly Cantaloupe**—True Anne Arundel strain. Great favorite with the Anne Arundel County truckers and private gardeners. Medium size, oblong, deeply netted, green flesh and delicious flavor. Our illustration shows this splendid variety so true to nature that there is no further need of describing it. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

**M. & S. GOLDEN WONDER CANTALOUPE**—Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.



M. & S. Delicious Gold Lined Rocky Ford.

**Rocky Ford**—We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**M. & S. DELICIOUS GOLD-LINED ROCKY FORD CANTALOUPE**—Its shape is ideal, very slightly oval, no ribs, and is heavily netted over the entire melon. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25.

**Early Netted Gem**—One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Emerald Gem**—Small, green skin, and delicious yellow flesh. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Acme, or Baltimore Nutmeg**—A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Jenny Lind**—Very early, small, round, netted and of fine quality; green fleshed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. \$1.00.

**Hackensack, or Turk's Cap**—A very fine, large sort; green fleshed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Miller's Cream, or Osage**—Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Knight Cantaloupe**—True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.75.



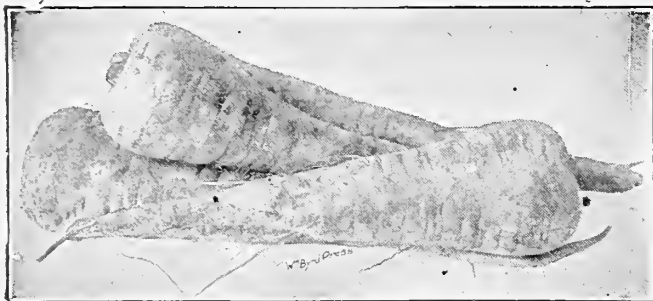
Jenny Lind Cantaloupe.

**Banana**—This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**Montreal Market**—The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**New Honey Dew**—Produces a melon with smooth, almost white rind, measuring about six inches in diameter by seven to eight inches long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well-ripened banana. To have the melons in the best condition we suggest gathering (or picking) as soon as they slip from the vine and store in a cool place for two or three days before serving; they apparently are at their best when a trifle over-ripe. While we cannot yet recommend Honey Dew for general culture, we offer selected seed at: Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.50.

**HONEY DEW**—Pink-fleshed, same as the above with the exception that the flesh is of a beautiful pink tint and highly flavored. Price same as green-fleshed.

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs., and 1 lbs.

Improved Hollow Crown.

## Parsnip

(German—Pastinake. French—Pannais)

One ounce for 200 feet of drill; five to six pounds for an acre.

**Culture**—Sow as early in the Spring as the weather will permit, in drills 16 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

**Improved Hollow Crown**—The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

## M. & S. Improved Jumbo Peanuts

(German—Erdnusse. French—Pistache de terre)

**Culture**—Plant in May or early June, in rows about 2½ to 3 feet apart, dropping the nuts 8 to 10 inches apart, one in a hill. Cover 1 or 2 inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow throw the dirt to the nuts.

Price— $\frac{1}{4}$  lb. 15c;  $\frac{1}{2}$  lb. 20c; lb. 30c. Special price on large quantity.

## Pepper

(German—Pfeffer. French—Poivre)

One ounce will produce 1,000 plants.

**Culture**—Sow in hotbeds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

**M. & S. Everbearing Sweet Pepper**—Early, large productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an apple. Pkt. 10c and 25c;  $\frac{1}{2}$  oz. 50c; 1 oz. \$1.00.

**Large Bell or Bull Nose**—Large, early variety; hot flavor, thick and fleshy. Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Chinese Giant**—This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes. Pkt. 10c;  $\frac{1}{2}$  oz. 35c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75.

## Topepo

The World's Newest Vegetable

In the Topepo we offer a new vegetable of exquisite flavor combining the delicious qualities of the pepper and the tomato, it is not an improvement on some other strain. It is a new and distinct creation.

The new vegetable appeals to the eye in its gorgeous colorings of vivid red, deeper than the tomato, or golden yellow, striped with dark green, it makes a very handsome table decoration; at first glance it is taken for an artificial waxen tomato.

In flavor the Topepo resembles the Bell Pepper but it is sweeter, not so peppery and has some of the zest of the tomato flavor.

In size it is from four to five inches in diameter. In shape it retains the regular bulges of the Bell Pepper.

The plants grow in a spreading bushy form. The foliage is a deep rich green, is smooth and shiny.

The Topepo is superior to the Pepper for stuffing and baking, because of its beautiful color and of its firm thick walls which do not break down when baked. It is also used for slicing in salads, for flavoring soups and gravies, or dressings, and for stuffing with shrimp, crab and lobster; it can be combined with any vegetable in making original dishes.

A very important feature of the Topepo is its keeping quality, it has kept in ordinary room temperature for thirty days without spoiling.

You will find the Topepo not only an interesting novelty, but a fine addition to your menu if you have a home garden, and an attractive and profitable vegetable if you grow vegetables for the market. Pkt. 25c, 50c and \$1.00.

**Perfection Pimento Pepper**—Very fleshy and sweet. Pkt. 10c;  $\frac{1}{2}$  oz. 30c; 1 oz. 50c.

**Large Sweet Spanish**—Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Long Red Cayenne**—Long, slim, and very pungent. Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Mammoth Ruby King**—Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 10c;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Small Chili**—Small, conical pods. Very hot. Pkt. 10c;  $\frac{1}{2}$  oz. 30c; oz. 50c.

**Red Cherry**—A small round pepper, very hot. Pkt. 10c;  $\frac{1}{2}$  oz. 40c; oz. 75c.

**Neapolitan**—Grows a long shape and somewhat narrow; it stands upright on the bushes. Sweet, bright red; and very early. Pkt. 10c;  $\frac{1}{2}$  oz. 30c; oz. 50c.

**Golden Dawn**—A large yellow variety, very sweet. Pkt. 10c;  $\frac{1}{2}$  oz. 35c; oz. 60c.

PEPPER PLANTS LISTED ON PAGE 5.

## Parsley

(German—Petersilie. French—Persil)

One ounce to 150 feet of drill.

**Culture**—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high, cut off the leaves, the plant will start a new growth.

**M. & S. GREEN CURLED BEAUTY PARSLEY**—Very head-some, dark green, beautifully curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year around. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

**Champion Moss Curled**—A distinct variety of unequalled merit, beautifully crimped and curled. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**Green Mountain Parsley**—Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**Plain, or Single**—Very strong in flavor, but not curled. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.

**Hamburg, or Rooted**—Edible roots. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; lb. 75c.



M. &amp; S. Everbearing Sweet Pepper.

Gentlemen—It gives me a great pleasure to say that the Juliana spinach seed stood more hot dry weather than anything I have sown in my life.

Yours truly,

HERMAN LEMOYNE.

## M. & S. SUPERIOR HAND PICKED PEAS

(German—Erbsen. French—Pois)

We pay postage on Peas up to 2 lbs.

Prices on Larger Quantities on Application.

Sow one quart of seed to 100 feet of row; and one-half to two bushels to the acre in drills.

If larger quantities wanted by Parcel Post, include postage, according to zone.

Weight— $\frac{1}{2}$  peck, 7 $\frac{1}{2}$  lbs.; 1 peck, 15 lbs.; 1 bushel, 60 lbs.

Prices on all Pea Seeds are subject to market changes.

Packets of all varieties of Peas, 10c.

**Culture**—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and wellrotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet apart, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

### Extra Early Varieties

(Weight 60 lbs. per bushel.)

**Early Bird**—As early as Alaska and First and Best. As large as Thos. Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense well-filled pods. Perfectly hardy. Can be planted as early as any variety.  $\frac{1}{2}$  lb. 30c; 1 lb. 50c; 2 lbs. \$1.00; 7 $\frac{1}{2}$  lbs. \$2.25; 15 lbs. \$4.00; 60 lbs. \$13.50; 100 lbs. at 60 lb. rate.

**Extra Early Alaska**—Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time.  $\frac{1}{2}$  lb. 20c; 1 lb. 40c; 2 lbs. 75c; 7 $\frac{1}{2}$  lbs. \$1.50; 15 lbs. \$2.50; 60 lbs. \$9.50; 100 lbs. at 60 lb. rate.

**Pedigree First and Best**—An excellent strain of first early peas; very popular and largely planted throughout trucking sections. Height two to two and one-half feet. Price same as above.

**Prolific Early Market**—This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific home gardener. Price same as above.

**Long Podded Alaska**—Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Price same as above.

### Extra Early Wrinkled Varieties (Weight 56 lbs. per bushel.)

**M. & S. WORLD'S RECORD**—Medium vines of dark green color and heavy foliage, bearing large handsome well-filled pods measuring sometimes 4 ins. and longer, filled with from 8 to 12 tender luscious peas.  $\frac{1}{2}$  lb. 30c; 1 lb. 50c; 2 lbs. \$1.00; 7 lbs. \$2.00; 14 lbs. \$3.75; 56 lbs. \$11.20; 100 lbs. at bus. (56 lbs.) rate.

**Laxtonian**—A dwarf pea with large handsome pods. It is slightly earlier than Gradus, maturing about the same time as Thomas Laxton. Vines medium dark and medium heavy of foliage. Pods 3 $\frac{1}{2}$  to 4 inches long, slightly curved. Will bear more abundantly at top of Vines, making it easy to pick, very heavy yielder. Price same as above.

**Thomas Laxton**—An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor, very early. Price same as above.

**Gradus, or Prosperity**—One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlies, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Price same as above.

### Medium Early Wrinkled Varieties

(Weight 56 lbs. per bushel.)

**M. & S. LITTLE MARVEL PEA**—An extremely valuable variety, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with 7 to 8 peas of extra fine flavor.  $\frac{1}{2}$  lb. 30c; 1 lb. 50c; 2 lbs. \$1.00; 7 lbs. \$2.00; 15 lbs. \$3.75; 56 lbs. \$11.20; 100 lbs. at bus. (56 lbs.) rate.

**Nott's Excelsior**—Resembling Little Marvel in habit and growth. Price same as above.

**Daisy, or Dwarf Telephone**—The striking features of the Daisy pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Price same as above.

**Pot Latch**—Resembling Daisy, or Dwarf Telephone in habit and growth. Price same as above.

### Medium and Late Varieties

(Weight 56 lbs. per bushel except in Sugar Marrow.)

**Telephone**—For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods 4 to 4 $\frac{1}{2}$  inches long, are light green in color and filled with large, sweet, tender peas. Price same as above.

**Champion of England**—A standard pea; vines grow 4 $\frac{1}{2}$  feet high and bear medium-sized pods of peas of good quality. Price same as above.

**Improved Sugar Marrow Peas**—We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods.  $\frac{1}{2}$  lb. 20c; 1 lb. 40c; 2 lbs. 65c; 7 $\frac{1}{2}$  lbs. \$1.50; 15 lbs. \$2.50; 60 lbs. \$9.50; 100 lbs. at bus. rate.

**Dwarf Melting Sugar**—The pods as well as the peas of this variety are edible and both very sweet.  $\frac{1}{2}$  lb. 30; 1 lb. 50c; 2 lbs. \$1.00.



Early Bird Peas.

early sort, both for the market gardener and the



M. & S. World's Record Peas.

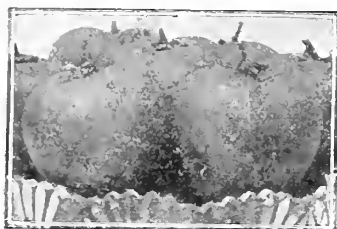
# POTATOES

Subject to Market Fluctuations.  
Prices on large quantities furnished  
on application.

(German—Kartoffeln. French—Pomme de Terre)

## Cook's New Hybridized Potato Seeds

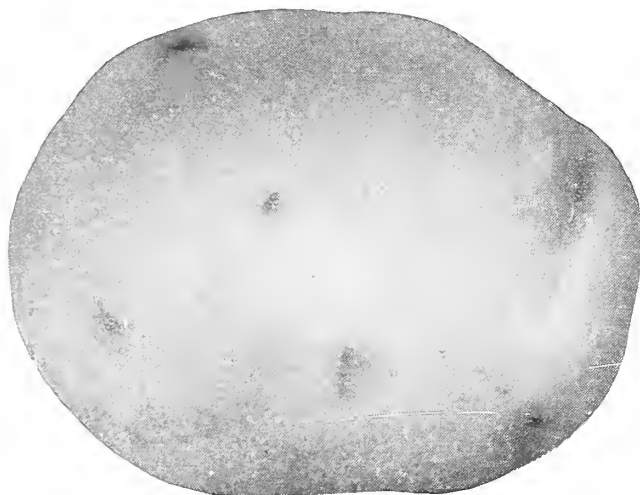
(FROM THE TRUE SEED BALLS)



Balls Half Size

thing in the Potato line. Potato Seed-Balls are vanishing. Get the seed now while you can. Millions want them. **Packet 15c; 4 for 50c.**

Cook's Potato Seeds are the wonder of Gardeners and a puzzle to Scientists. No other can compare. Over 100 new seedling varieties can positively be grown from a single packet. All valuable new Potatoes are produced from such seed. One may be worth a gold mine. There will be all colors, shapes sizes and qualities—often 50 to 200 Potatoes in a hill. There will be white, yellow, red, pink, blue, purple and black Potatoes. Marvelous "freaks" often appear. They seem to grow mad and try to produce anything and every-



Irish Cobbler Potato

Present price of all kinds: Peck \$1.00; bushel \$3.50.

Sack of 165 lbs. \$8.50. If wanted by parcel post add at the rate of 15 lbs. for a peck and 60 lbs. for a bushel.

Prices on quantity of Potatoes furnished on application.

Potato prices subject to market fluctuation.

**Culture**—Planting may commence as early in the Spring as the ground can be worked. Place one piece every twelve inches in rows two and one-half feet apart, covering about four inches. When cutting the seed allow one eye to each piece.

Ten bushels cut tubers will plant one acre.

**Red Bliss**—Very early, thin, red skin, round, white flesh.

**Irish Cobbler**—This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

**Houlton Early Rose**—The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

**Crown Jewel**—A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong.

**M. & S. FILL BASKET**—On account of the large yields that have been reported on this potato, our sales on it have increased wonderfully. It is of handsome round shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, medium late. The vines are always very heavy, the seed being especially vigorous, and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

**Improved Green Mountain, Early Norther, New Queen, Early Ohio, Prosperity, McCormick, Rehoboths.** Prices furnished on application.

**Choice Seed Sweet Potatoes, Leading Varieties**—Prices on application. Sweet Potato Plants. **SEE PAGE 5.**

# Pumpkins

(German—Kurbiss. French—Potiron)

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

One ounce for fifteen hills; three to four pounds plant an acre.

**Culture**—Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close.



King of the Mammoths, or Pot Iron Pumpkin.

**M. & S. YANKEE PIE PUMPKIN**—The best Pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large handsome pear shaped, golden yellow pumpkin, which are so sweet that they require very little sugar and ripen early. **Pkt. 10c; oz 15c; ¼ lb. 40c; 1 lb. \$1.25.**

**Cushaw, or Winter Crookneck**—An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crookneck, fine grained yellow flesh, very solid. **Price same as above.**

**Cushaw Striped**—Same as above, but it is green and white striped. **Price, same as above.**

**King of the Mammoths, or Pot Iron**—An immense variety, which always wins prize offered for the largest and best pumpkins, grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. **Price same as above.**

**Japanese Pie**—Flesh very thick, rich salmon color, fine grain, dry and sweet. **Price same as above.**

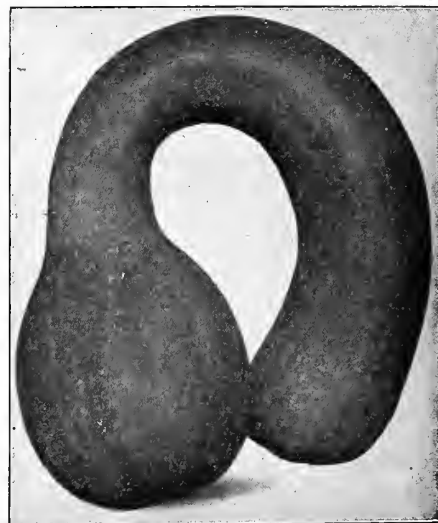
**Tennessee Sweet Potato**—Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. **Price same as above.**

**Sugar, or New England Pie**—For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. **Price same as above.**

**Winter Luxury Pumpkin**—A very good keeper and a splendid pie Pumpkin; shape round, skin finely netted, and beautiful russet - yellow color; flesh thick and of fine flavor. **Price same as above.**

**Kentucky Field, or Cheese**—Shape flat like a cheese box; good keeper, popular. **Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.**

**Common Yellow, or Connecticut Field**—Very productive; for feeding stock. **Price same as above.**



Cushaw or Winter Crookneck.

Gentlemen:—I find your Juliana Spinach a great improvement over all other varieties which I have grown in the past.

Yours very truly, JOHN H. GRIFFITH, Manager.

Gentlemen:—It gives me great pleasure to say that our gardens turned out wonderful this season, even though we had such unfavorable weather. I was pleased with everything grown from your seeds.

Sincerely yours,  
MR. MOORE, Notre Dame College.



## M. & S. SELECTED RADISH SEED

(German—Radies. French—Radis)

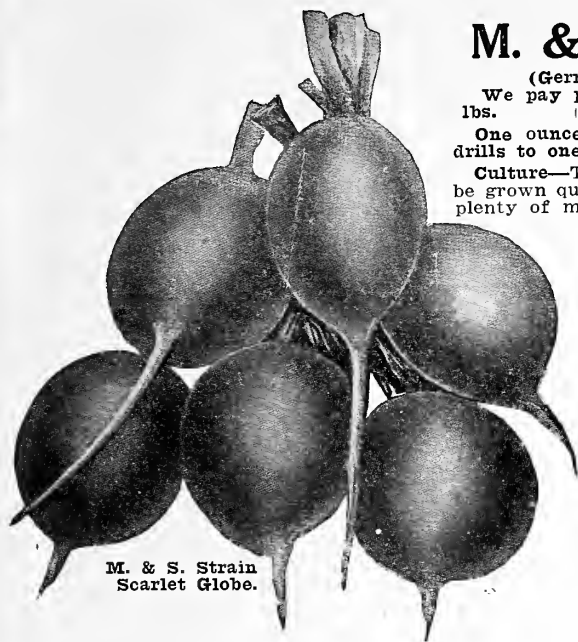
We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

One ounce for fifty-foot drill; ten pounds in drills to one acre.

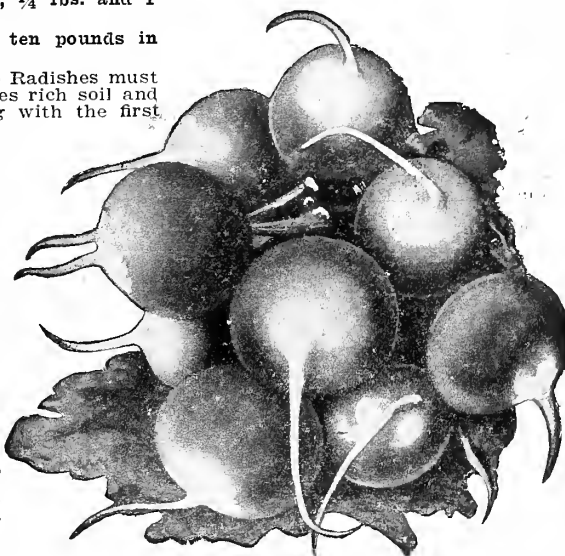
**Culture**—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

### Extra Early Varieties

**Scarlet Globe**  
**Early — M. & S. Strain**—Highly recommended for truckers. This variety can be used for forcing and is



M. & S. Strain  
Scarlet Globe.



White-Tipped Scarlet Globe

recommended for early outdoor planting. It is small, round, red and of excellent flavor; its rich, crisp, tender flesh makes it very popular. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c; 5 lbs. \$4.

**French Breakfast, Early**—Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Early Long Scarlet Short Top**—The principal outdoor quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Long White Vienna or Lady Finger**—Has slender pure white roots which are smooth and average about 6 to 7 inches in size when matured. They are quite early and of excellent quality. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Iceberg**—A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**White Strasburg**—Handsome, oblong, tapering shape, both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**New Glass, or Cincinnati Market**—A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**White Turnip (Short Top)**—Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**White-Tipped Scarlet Globe**—A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Ruby King, Extra Early**—Of brilliant red color, fine for forcing or open ground; roots are tender; juicy and mild. One of the best round red Radishes that grows. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.



The best soil improver you can use is manure. Use plenty of it. We can sell you a whole wagon load in a 100 lb. bag of our High Grade Sheep or Cattle Manure, at a surprisingly low figure.

### M. & S. EARLY CARDINAL RADISH

—These are the best little crisp red radishes, which come so early in the season; they grow globular in shape and are of the most brilliant cardinal red color; are tender and crisp; will stand the heat and are fine for forcing. The most desirable for home garden and market gardeners' use. Pkt. 10c; oz.

M. & S. Early Cardinal. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**Crimson Giant**—Like above but much larger. Very desirable. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Strawberry**—The exceptional merit of this radish is proved by its popularity increasing every year with successful market gardeners. This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, and is a high class strain for out-door planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

### Summer Varieties

**Large White Stuttgart**—Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for winter. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Large White Summer Turnip**—Round, smooth and very white; crisp and tender. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Golden Globe**—A favorite summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Improved Chartier**—Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

### Winter Varieties

**Long Black Spanish**—Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c.

**Round Black Spanish**—Like the above, except that it is round shape. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c.

**Long White Spanish**—Like the Long Black Spanish, only different in color. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c.

**Round White Spanish**—Like the Round Black, but white, like all the Spanish radishes, which are fine keepers, mild flavor and brittle. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c.

**China Rose, or Scarlet China**—Bright rose-colored, stumpy-rooted, of excellent quality. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 90c.

**White Chinese, or New Celestial**—Large stumpy-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**Sakurajima (Mammoth Japan)**—The largest sort in cultivation. Sow early in rich soil. In Japan it grows as much as twenty-one inches long and forty-three inches in circumference. Thin well to allow of proper development. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**Merima**—Also a Japanese radish. Similar to Sakurajima, but round instead of long. Very tender and sweet. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c.

**HORSE RADISH** (German — Meerrettig; French — Ralfort) — SEE PAGE 5.

WE PAY POSTAGE ON PKTS., OZS., ¼ LBS., AND 1 LBS.

## Rhubarb

(German—Rhababer. French—Rhubarbe)

**Culture**—Sow seed in a cold-frame, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows twelve inches apart and twelve inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our two-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

**Myatts Victoria**—The leading variety. Pkt. 10c; oz. 20c; ¼ lb. 60c.

**ROOTS**—SEE PAGE 5.



## Salsify, or Oyster Plant



Mammoth Sandwich  
Island Salsify

(German—Haferwurz. French—Selsifi)

One ounce to seventy feet of drill; about eight pounds to the acre.

**Culture**—Sow as early as the ground can be worked in the Spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

**Mammoth Sandwich Island**—This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market gardeners and truckers.

Pkt. 10c; oz. 25c; ¼ lb. 65c; 1 lb. \$2.25.

## M. & S. Swiss Chard, Delmonico

This is the finest Swiss chard that grows, making large handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike asparagus. Absolutely the best for home gardens. Pkt. 10c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

**Swiss Chard, or Spinach Beet, Giant Lucullus**—The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Pkt. 10c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.



M. & S. Swiss Chard, Delmonico

## Vegetable Marrow

**Italian (Cocozelle di Napoli)**—Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green.

**Cosazza**—Similar to the above. Great favorite with the Italians. Price of both Pkt. 10c; oz. 15c; ¼ lb. 50c.

Gentlemen—The Sweet William Seed which I purchased from you last year turned out to be the most beautiful I have seen. One bushel seemed to be an exception. I can recommend them highly to any of your customers.

A. L. LEPPER, Raspeburg, Md.

## Sorrel, or Sourgrass

(German—Sauerampfer. French—Oseille)

**Culture**—Sow in Spring in drills 18 inches apart, in a rich soil and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Large French**—Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## Squash

(German—Gemuse Kurbis. French—Courge)

**Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.**

**Culture**—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.



M. & S. Perfection Bush Squash

**M. & S. PERFECTION BUSH SQUASH**—This is the finest scalloped white squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 10c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.

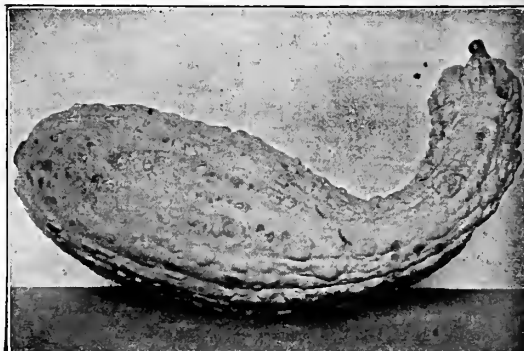
**Early Mammoth White Bush Squash**—An excellent strain. Early prolific, much larger than the old White Bush. Splendid for market, best for shippers. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**Summer Crookneck, Bush Variety**—About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**Hubbard**—An excellent keeper; splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin; very rich flesh. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Golden Hubbard**—Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Boston Marrow**—This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine, extensively used for pumpkin pies. Fine, strong running growth. Very productive, oval shape. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.



Summer Crookneck Squash.

**Blue Hubbard**—A new variety and a selection from the original Hubbard. Fruit gray blue color; grows large; remarkably good keeper, and excellent quality. Pkt. 10c; 20c per oz.; ¼ lb. 50c; \$1.75 per lb.

## Turnip

(German—Rube. French—Navet)

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

One packet for 100 feet; two pounds to the acre.

**Culture**—For early use sow as soon as the ground opens in Spring, drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.



M. & S. Early Champion Turnip.

**M. & S. EARLY CHAMPION TURNIP**—This is the best Turnip for home gardens and market gardeners to plant. It is large perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large), stays tender and sweet a long time. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Red, or Purple Top White Globe**—A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth, and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.

**Extra Early Purple Top Strap Leaved**—Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.



Improved  
Purple Top  
Ruta Baga,  
or Swede  
Turnip

**Purple Top Yellow Aberdeen**—Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.

**Improved Purple Top Ruta Baga, or Swede**—The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.

Gentlemen—It gives me great pleasure to say that the Juliana Spinach seed stood more hot dry weather than anything I have sown in my life.

Yours truly,  
HERMAN LeMOYNE.

Gentlemen—Your Juliana Spinach is truly wonderful. It is all you claim for it and then some.

JOHN MEHL, Gardener,  
Foxcroft School, Middleburg, Va.

**White Egg**—A quick-growing, egg-shaped variety. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Yellow, or Amber Globe**—Excellent for table use or stock. Fine quality, keeps well. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.

**Pomeranian White Globe**—Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Cow Horn**—A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with rape. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c.

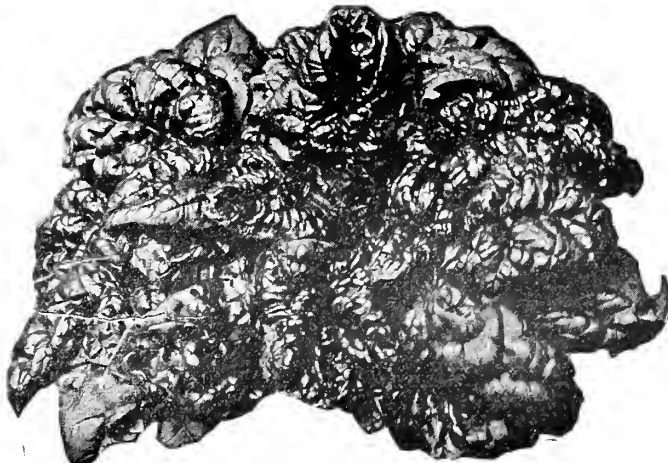
**Seven Top**—Grown exclusively for its tops, and when properly prepared and cooked, make a fine dish. Withstands our winter without any protection. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Tennoji Turnip**—A Japanese variety of exceptional merit. Flat, snow white and of immense size, but very fine flavor. Seed very scarce. Pkt. 10c; oz. 25c.

## Spinach

(German—Spinat. French—Epinard)

One packet will sow fifty feet of drill; 15 to 20 lbs. to an acre. Prices on larger quantities furnished on application.



Bloomsdale Savoy Leaved Spinach.

**Culture**—Sow in early Spring, in drills a foot apart, every two weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August, and for Winter crop in September. Cover that which is left over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

**Bloomsdale Savoy Leaved**—The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**New Long Standing Bloomsdale**—Has all the good points of the above, in addition, it will withstand the summer heat and does not go to seed. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; 5 lbs. \$2.00.

**Victoria**—A favorite for early Summer. It is one of the darkest in color. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**Long Season**—Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**Triumph Spinach**—This excellent new Spinach is nearly double the size of the Victoria and has all its good quality. Very profitable for market gardeners and shippers. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**Juliana (the latest introduction)**—Very long standing, heat resisting, handsome dark-green. Very thick and curled leaves. Absolutely without male plants which is the cause of the long-standing quality. Pkt. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; 5 lbs. \$2.00.

**King of Denmark**—The leaves are large, rounded, somewhat blistered, and deep green. The plants grow vigorously and are ready to use as soon as any kind; while at the same time they remain a long time in good condition after other kinds have run to seed. Pkt. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 35c; 5 lbs. \$1.25.

**New Zealand**—Of delightful flavor and practically ever-bearing. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c. 1 lb. 75c.

## Tobacco Seed

**Connecticut and Pennsylvania Seed Leaf**—Pkts. 5c and 10c; oz. 25c.

**Havana Seed Leaf**—Pkts. 10c; oz. 35c.

**Maryland Tobacco**—Pkts. 10c; oz. 25c.

Ruxton, Md., June 1st, 1925.

Gentlemen—I find your Juliana Spinach a great improvement over all other varieties which I have grown in the past.

Yours very truly,  
JOHN H. GRIFFITH, Manager.

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.

## M. & S. "SURE CROPPING" TOMATOES

(German—Liebesapfel. French—Tomate)

One ounce for 1, 500 plants; quarter pound (to transplant)  
an acre.

**Culture**—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed about the first week in March or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills three feet or four feet apart each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

### New Introduction—Marglobe

Tested repeatedly and approved by the United States Department of Agriculture. Is sure to be planted extensively before long. This is what the Department says about it. "Very productive, second early variety. Fruits large, smooth, meaty, red, globular. Highly resistant to wilt and somewhat resistant to blights. Pkts. 25c and 50c;  $\frac{1}{2}$  oz. 75c; 1 oz. \$1.25;  $\frac{1}{4}$  lb. \$4.00; 1 lb. \$15.00.

### EARLY VARIETIES M. & S. Early Wonder

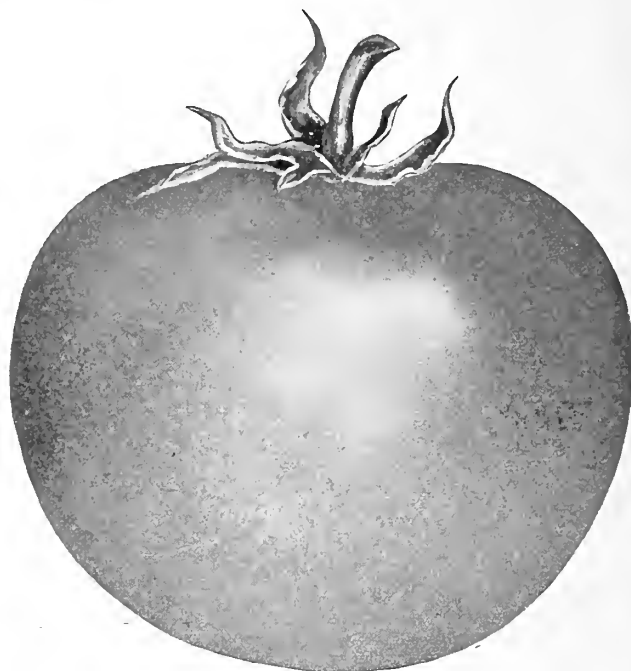
This is the fifth year that we are offering this wonderful extra early Tomato, after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early tomatoes for the market or home garden. Pkt. 25c;  $\frac{1}{2}$  oz. 40c; oz. 75c; 2 oz. \$1.25;  $\frac{1}{4}$  lb. \$2.25; 1 lb. \$8.00.

**The "Burbank"—The Earliest Tomato in the World**—By far the earliest, smoothest, solidest, most productive, and best of all early tomatoes; resists wilt and other tomato diseases better than most others. Fruit, bright red; thick, solid, heavy, smooth, firm, medium to large in size, superior quality, unusually heavy and continuous bearer throughout the season; best keeper and shipper. The "Burbank" has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, the skin peels freely from the rich, firm flesh. Price: Pkt. 15c; 2 pkts. 25c; 10 pkts. \$1.00. In bulk,  $\frac{1}{4}$  oz. 50c;  $\frac{1}{2}$  oz. 80c; 1 oz. \$1.50.

**Extra Early I. X. L.**—Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Sparks Earliana**—Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Chalks Jewel**—A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 90c; 1 lb. \$3.00.



Marglobe Tomato.

**Bonnie Best**—The finest of the second early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.25; 1 lb. \$4.00.

**John Baer**—This tomato compares with Bonnie Best, but grows much heavier foliage and larger fruit; is also more productive. While not as early as the Earliest, it will pick some fruit quite early; the bulk of the crop coming five to seven days later. It is a good, all around tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.10; 1 lb. \$4.00.

**June Pink**—For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.25; 1 lb. \$4.00.

November 1, 1926.

Gentlemen:

The Long Green Cucumber seed which I purchased from you the past season gave splendid results, from seeds for which I paid 40c I picked 6000 cucumbers, which netted me \$60.00. Also glad to say that all the other seed which I got from you gave excellent results.

Yours truly,

C. K. DEMMITT, Owings Mills, Md.

### M. & S. Incomparable Tomato

We pronounce this the best medium early Tomato that grows. It produces large smooth fruit, which are very thick from stem to blossom end, very solid and of a deep red color. It yields immensely and clean up to frost, we have counted fifteen marketable fruit on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. The vines are stout and dark green, holding the fruit well off the ground.

Seed scarce, order early, grown exclusively by us. Packet 10c and 25c; ounce 50c;  $\frac{1}{4}$  pound \$1.50; 1 pound \$5.00.

TOMATO PLANTS, PAGE 5.

Gentlemen:

The Early Wonder Tomatoes which I grew from your seed this season were the best I have ever put on the market.

Yours truly,

TURNER WATSON.



M. &amp; S. Early Wonder Tomato



## M. & S. MAIN CROP AND SMALL FRUITED TOMATOES

**M. & S. BIG CHIEF**—A grand new main crop tomato of the very highest quality. It produces an abundance of large handsome red fruit, which ripens clean to the stem and will bear heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M. & S. BIG CHIEF VINE. We have tested this valuable new variety very carefully and have always been more than satisfied with the results. Order quick, as the seed is scarce, grown exclusively by us. Pkt. 10c; oz. 40c; ¼ lb. \$1.50; 1 lb. \$5.00.

**Wisdom**—This tomato of recent introduction has become very popular. It is a great yielder of large handsome red fruit, which ripens clean to the stem. It makes

very strong vines and should be given plenty of room. Pkt. 10c; oz. 40c; ¼ lb. \$1.50; 1 lb. \$5.00.

**Kellys Red**—This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequaled firmness, or some other of its good points. Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$3.00.

**Greater Baltimore**—General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Price same as above.

**B. B. (Brinton's Best)**—A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Price same as above.

**Ponderosa**—Remarkably large and of fine quality. Very solid. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.50.

**M. & S. IMPROVED NEW STONE**—This

variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Price same as Kellys Red.

**Matchless**—Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Price same as above.

**Red Rock**—A tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Price same as above.

**Golden Queen**—Bright-yellow, large and solid. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.50.

**Yellow Pear and Yellow Plum**—Two small-fruited kinds for preserves. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.25.

**Red Pear**—Pear-shaped red. Pkt. 10c; ½ oz. 25c; oz. 40c.

**Peach**—Very small, pink fruit, with slight peach bloom on skin. Pkt. 10c; ½ oz. 25c; oz. 40c. **TOMATO PLANTS, p. 5.**

**Husk or Strawberry**—Used for preserves. Pkt. 10c; ½ oz. 30c; 1 oz. 50c.

**Red Cherry**—Small, grows in clusters, also used for preserving. Price same as above.



I planted watermelons and muskmelons under "Hotkaps" April 30th, and on May 7th they were coming through the ground. We had a severe hailstorm here on May 17th and if it hadn't been for the "Hotkaps" my melons would have been ruined.

Amos Lower,  
Williamsport, Ind.

We had a very cold, late spring to do planting of any kind. However, the vines started under "Hotkaps" are as long as a man's arm, vigorous and full of bloom. The transplants are just beginning to vine, and those seeded in the open have not begun to vine.

Mrs. C. M. Handley,  
Coshocton, Ohio.

## Germāco Hotkaps



## INDIVIDUAL HOTHOUSES For Every Plant

"Hotkaps" Furnish Each Young Plant With Complete Protection From Wind, Rain, Frost and Insects. Now Have Hardier Crops That MATURE EARLIER!

Ask us about the interesting new invention, "Hotkaps."

They are individual hothouses for each plant, economically priced, to insure against the crop hazards of frost, rain, wind and insects. They are made of strong, durable, especially prepared waxed paper, light in weight, easy to use, easily ventilated.

"Hotkaps" bring crops to earlier maturity. Many write us that they have been first to market by from one to three weeks, and as a result have been able to get higher prices.

Farmers quickly appreciate them. Once you've tried them, you'll always use them. They afford the best crop insurance, and bring you more profit.

"Hotkaps" are packed 1,000 to the roll.

Prices: 1,000, \$10.00; 5,000 at \$9.75 per 1,000; 10,000 at \$9.50 per 1,000. "Hotkap" Setters, each \$2.50; "Hotkap" Carriers, each \$2.75. Postage extra.

Prices on smaller quantities—100, \$1.50, postpaid.

We pay postage on pkts., ozs.,  $\frac{1}{4}$  lbs. and 1 lbs.(German—Wasser Melone.  
French—Melon d'eau)**WATERMELON**One ounce for thirty hills; four to five  
pounds for an acre.**M. & S. Excell Watermelon.****TRY THESE IN YOUR NEXT GARDEN**

**NEW M. & S. GOLDEN HEART WATERMELON**—A decided novelty in Watermelons. Vigorous vines producing an abundance of light green melons, which have delicious yellow meat almost to the rind. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c.

**Culture**—Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

**M. & S. SWEET HEART WATERMELON**—The sweetest melon that grows. The best for home use and nearby markets. The dark red meat which extends almost to the rind, is of the most delicious flavor. Vines are strong and vigorous, the melons are medium to large in size. The skin is a very rich, dark green color. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**IRISH GREY**—A comparatively new variety that is becoming very popular as a shipping sort. The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A very desirable variety for those who prefer a long, light colored shipping melon. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**M. & S. EXCEL**—A new watermelon. Great improvement over Tom Watson. Long green. Excellent for market gardeners and shippers. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**TOM WATSON**—Our strain of this wonderful shipping melon has been very much improved in the last few years. It commenced to show white, hard centers, but through careful selecting our strain will produce nothing but melons which are red from the rind to the center, not showing any white streaks. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very strongly for the private grower. It is the most popular melon on our list. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**McIver's Wonderful Sugar**—Resembles Old Rattlesnake, superior in quality. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Florida Favorite**—Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

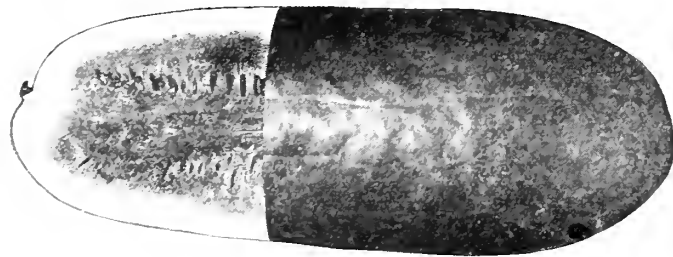
**Gray Monarch, or Long White Icing**—Very large, long, crimson flesh. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Indian Chief**—Excellent shipper; none better for the private garden. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00.

**Improved Georgia Rattlesnake**—The old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**IMPROVED KLECKLEY SWEET**—Four years ago our grower set out to perfect a new type of this favorite melon, for the reason that the original type began to show some deterioration, and the color of the seed was showing decidedly too much brown smear, melons were not all growing uniform in size, and with the feeling that it is a grower's duty to keep the type of all good melons up to standard he carefully selected and bred this type until we now have a much better melon than the old type Kleckley Sweet; this improved type grows uniformly large, retaining all of the fine qualities as a table melon, with an important added feature of having much harder rind, which assures its satisfactory carrying quality, while the old type will not stand even short distance shipping in carloads. The seed are all creamy white, with no trace of brown, somewhat larger than the old type seed, the color of the rind remain the same—dark bluish green—and grows to much larger size than the old type. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 90c.

**CITRON**—Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 10c; oz. 15c; 1 lb. 75c.

**Improved Kleckley Sweet.****Tom Watson Watermelon.**

# M. & S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses Are Wanted by Parcel Post, Allow for Postage. Prices on Grasses Subject to Market Changes.  
Write for Samples and Prices in Larger Quantities.

**Blue Grass, Fancy Kentucky**—(Poa Pratensis)—Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bushels per acre on lawn, 2½ to 3 bushels on pasture fields (bu. 14 lbs.). Per lb. 45c. Larger quantity on application.

**Bermuda Grass**—Adapted for seashores, very hardy. 75c lb.

**Creeping Bent** (Agrostis Stolonifera)—Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.). Price, lb. \$1.25.

**Crested Dogtail** (Cynosurus Cristatus). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, lb. 65c.

**English, or Perennial Rye Grass** (Lolium Perenne). (Pacey's Fancy Short Seeded.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bushels per acre (20 lbs. per bu.). 30c per lb.

**Hard Fescue** (Festuca Duriuscula)—A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). Price, lb. 50c.

**Herd, or Red Top Fancy Re-cleaned**—(Agrostis Vulgaris). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bu.). Price lb. 50c.

**Meadow Fescue** (Festuca Pratensis)—Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, lb. 35c.

**Italian Rye** (Lolium Italicum)—Very desirable for pasture; being an annual, it comes to maturity the first season; the ideal lawn seed for Southern lawns in winter. Sow 50 lbs. per acre (18 lbs. per bu.). 25c per lb.

**Orchard Grass**—(Dactylis Glomerata)—For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. per bu.). Price, 35c per lb.

**Red, or Creeping Fescue** (Festuca Rubra)—Very valuable for sowing on sandy soil and in shaded places and putting greens, tennis courts, etc. Price on application.

**Sheep's Fescue** (Festuca Ovina)—This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.). Price on application.

**Sudan Grass**—A tall annual grass, growing 6 to 8 feet high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock, and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 pounds per acre in 3-foot rows or broadcast at the rate of 10 to 20 pounds per acre. Plant from March to August. 20c per lb. Larger quantities, price on application.

**Tall Meadow** (Avena Elatior)—A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bu. per acre (10 lbs. per bu.). Price on application.

**Timothy** (Phleum Pratense)—Sow one-half bu. per acre alone, with clover 1 peck (45 lbs. per bu.). 15c per lb. Price varies constantly; ask for quotations.

**Broom Corn** (Sorghum vulgare)—Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long-brush Evergreen, which is made into Brooms. (Bu. 50 lbs.). 20c lb.

**Kafir Corn**—Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bu. 56 lbs.). 10c lb.

**Cow Peas** (Vigna Catjang)—Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bu. per acre broadcast; 1 bu. in drills. We offer Black Whipperwill, Gray, New Era, Black Eye and other leading varieties, also mixed. Price on application.

**Inoculate all Clovers, Cow Peas, Vetch and Soja Beans with**

**Farmogerm, Humogerm or Mulford's Culture**

For particulars see page 29.

erous. Sow 40 to 50 lbs. broadcast to the acre (bu. 50 lbs.). 10c per lb.



M. & S. Permanent Pasture Mixture makes a nutritious food for cattle.

**M. & S. Permanent Pasture Mixture, either for Low or Up Lands.** It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturage, they will be found entirely satisfactory. When ordering state if for a low or up land, price of either lb. 35c; 10 lbs. or over at 30c; \$3.40 per bushel of 30 lbs.

**Rhode Island Bent**—For sowing at seashore resorts, on putting greens, tennis courts, etc. (14 lbs. per bu.). Price lb. \$1.25.

**Japanese Buckwheat**—In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. 15c per qt.; pk. 75c.

**Soja Bean** (Glycine hispida)—Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks—All thrive well in our climate. Valuable for the South. Does not make good hay, but is good for ensilage or green fodder. Sow 1½ bu. per acre alone, or ½ bu. soja beans with 1 bu. cow peas. Yields as high as 20 tons of green feed per acre. Market prices.

## Clover Seeds

Write for Samples and Prices in Larger Quantities.

Prices Subject to Market Fluctuation.

**Alfalfa, or Lucerne** (Medicago sativa)—Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. We handle home as well as foreign grown alfalfa. 35c per lb. Large quantity price on application.

**Alsike, or Hybrid Clover** (Trifolium hybridum)—A perennial, one to three feet high; grows well in our locality and can withstand severe cold. A good honey plant for bees. Fifteen lbs. to the acre. Lb. 35c.

**Red Clover** (Trifolium pratense)—One of the most valuable farm crops for pasture, hay, or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 pounds to the acre. Lb. 40c.

**Mammoth Red, or Sapling Clover**—Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb. 40c.

**Crimson, or German Clover** (Trifolium incarnatum)—Erect annual, one to two feet high, with bright-scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb. 20c.

**White Sweet Clover** (Melilotus Alba or Bokhara)—Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. Lb. 25c.

**White Clover** (Trifolium repens)—It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in lawns and permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone eight or ten pounds to the acre. ¼ lb. 20c; ½ lb. 35c; 1b. 60c.



Soja Beans.





If field seeds are wanted by parcel post, postage must be added to the price of seed.



Cow Peas

### M. & S. SELECTED FORAGE AND FARM SEEDS (Continued)

**Peas** (Canadian Field) — Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two bushels to the acre (bu. 60 lbs.). **Market prices.**

**Rape — Dwarf Essex English** (Brassica napus) — Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five lbs. to the acre; sown broadcast, ten pounds to the acre. **Lb. 15c.**

## Sorghum, or Sugar Cane

Ideal cattle food. Sow 1 or 2 bu. broadcast; 25 lbs. to the acre in drills. (Bu. 50 lbs.)

**Early Amber**—Grows 10 to 13 feet high. Fine for cows, either green or cured. **Lb. 10c.**

**Early Orange**—Ripens about 10 days after Early Amber, and is said to produce a larger crop. **Lb. 10c.**

**Sunflower—Large Russian**—**Lb. 15c.**

## Vetch, Spring and Winter

**Sand, Winter, or Hairy Vetch** (Vicia villosa)—Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows three to four feet high and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 50 pounds to the acre. Price variable. **Lb. 25c.**

**Spring Vetch**—Same as above, but not hardy; sow in Spring only. **Lb. 15c.**

## Winter Barley

48 lbs. per bu. 96 to 110 lbs. per acre.

One of the most productive Fall seeded grain crops grown. Being planted more extensively each year. Provides an abundance of highly nutritious forage, hogs, sheep, cattle, etc., being especially fond of it. Grown in this section largely for grain. Yields 25 to 50 bushels per acre. Invariably brings good market price. Sow 1 to 1½ bushels per acre broadcast.

**Prices on Application.**



Contemplating an Early Harvest.

Quotation on all kinds of Field Seed in larger quantities furnished on request.

**Mulford Culture and Farmogerm Nitrogen-Fixing Bacteria for All Kinds of Clover**—Means bigger crops, healthier growth, early and more continuous crops. **Special reduced prices this season.** It will pay you to use this when you plant peas and beans. For particulars see page 29.

## Oats

Appler, Virginia Gray and other best varieties for Fall and Spring sowing. 32 lbs. per bu. Sow 64 to 90 lbs. per acre. **Prices on Application.**

## Seed Rye

The most popular Fall seeded forage and fertilizing crop grown. Furnishes excellent green food for poultry, hogs and live stock of all kinds. Keeps stock healthy and saves expensive commercial dry feeds. Hogs on rye pasture will make the same gains with half the amount of grain feed. Sow 1 to 1½ bu. per acre broadcast.

Rosen and other varieties. Sow 1½ bu. to the acre from July to November. 56 lbs. per bu. Sow 85 to 100 lbs. per acre. **Prices on Application.**

## Seed Wheat

Bearded and Beardless varieties. 60 lbs. per bu. Sow 90 to 100 lbs. per acre.

**Prices on Application.**

## Field Corn

8 quarts to the acre. Prices Subject to Change Without Notice.

Prices on Field Corn does not include postage.

**Collier's Success**—The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

**Yellow Leaming**—We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 100 days. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

**Golden Beauty**—Large, broad-grained, yellow corn. Ears are well filled out. A heavy yielder. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

**Maryland Yellow Dent**—Large ear; moderate size stalk; withstands drought well. **Qt. 25c; ¼ pk. 40c; pk. \$1.00; bu. \$3.50.**

**Hickory King**—A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally two ears to the stalk and occasionally three. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.50.**

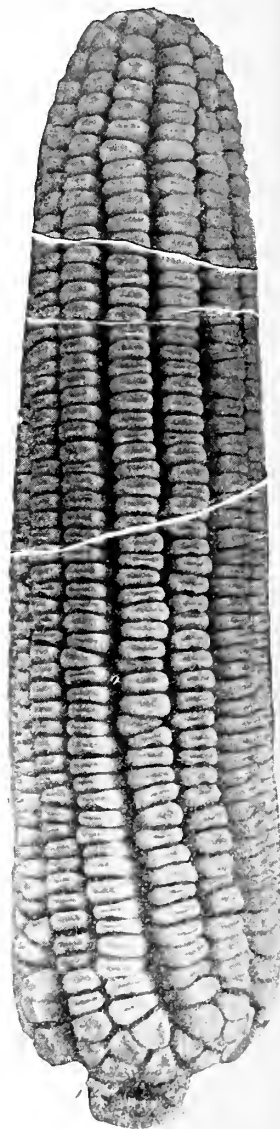
**Boone County White**—Recommended by the Agricultural Experimental Stations. A fine, large deep-grained variety, originated by one of the best corn breeders. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

**Collier's Excelsior**—White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. **Qt. 25c; ¼ pk. 40c; peck \$1.00; bu. \$3.50.**

**M. & S. White Ensilage Corn**—Very prolific, tall grower. **Qt. 25c; ¼ pk. 40c; peck \$1.25; bu. \$4.50.**

**Red Cob 90-Day Corn**—A valuable corn for the truck farmer, as it readily sells for sugar corn on account of its similarity, showing long blades on the ears; very delicious when young. **Qt. 25c; 2 qts. 40c; pk. \$1.25; bus. \$4.25.**


**WHITE RICE POP CORN**—The best pop corn known. Pops large, flaky and white as snow. **Quart 25c.**



Boone County White Corn

**Large returns**  
**Small cost**

*Increase your crops*



*Improve your soil*

**No labor expense**  
**Easy to use**

# Mulford Cultures

FOR LEGUMES

Legume crops, properly inoculated with nitrogen-fixing bacteria, add both humus and nitrogen to the soil and should be included in every crop-rotation program.

Inoculate all your legume crops with **Mulford Culture Concentrates**. Especially recommended because they contain enormous numbers of active, vigorous nitrogen-fixing bacteria, grown from pure, tested strains.

**Mulford Culture Concentrates** are prepared with the utmost scientific care and skill. Economical. Easy to use. The sealed bottle insures purity.

They offer you the most economical and satisfactory method of adding nitrogen to your soil.

Always specify on your Order what crop you want to inoculate.

### FOR SMALL SEEDS

10, 2½, 1 and ½ bushel sizes

<ul style="list-style-type: none"> <li>Alfalfa</li> <li>Burr Clover</li> <li>Sweet Clover</li> <li>Yellow Clover</li> <li>Sainfoin</li> </ul>	<ul style="list-style-type: none"> <li>Crimson Clover</li> <li>Red Clover</li> <li>Alsike Clover</li> <li>Berseem Clover</li> <li>White Clover</li> <li>Mammoth Clover</li> </ul>
<p>Lespedeza</p>	<p>Beggarweed</p>

10	bushel size.....	\$8.00
2½	bushel size.....	2.25
1	bushel size.....	1.00
½	bushel size.....	.60

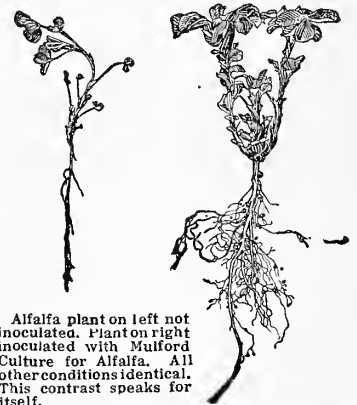
Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas).....	.35
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### FOR LARGE SEEDS

20, 5, 2 and 1 bushel sizes

<ul style="list-style-type: none"> <li>Canada</li> <li>Field Peas</li> <li>Garden Peas</li> <li>Sweet Peas</li> <li>Perennial Peas</li> <li>Vetch</li> <li>Lupins</li> </ul>	<ul style="list-style-type: none"> <li>Cow Peas</li> <li>Velvet Beans</li> <li>Peanuts</li> <li>Soy Beans</li> <li>Mung Beans</li> <li>Garden Beans</li> <li>Lima Beans</li> </ul>
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20	bushel size.....	\$8.00
5	bushel size.....	2.25
2	bushel size.....	1.00
1	bushel size.....	.60



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

FREE DESCRIPTIVE FOLDER SENT UPON REQUEST



Roots like this mean bigger yield, better soil.

## SEED INOCULATION

### THE BEST INOCULATION CULTURES FOR ACCUMULATING NITROGEN

**Means Better Crops, Better Soils, Less Fertilizer Expense**

Seeds of all legumes—clover, alfalfa, sweet clovers, soy beans, vetches, etc.—will yield far better returns if inoculated before planting, and in addition leave in the soil heavy deposits of valuable nitrogen which benefits all succeeding crops. It is crop insurance at very low cost, and the results will repay the small effort involved beyond your expectations..

These scientifically bred cultures are far superior to the natural germs in the soil and therefore inoculation is preferable to uncertain and laborious soil transfer.

### JELLY MEDIUM



Scientifically selected bacteria on nitrogen-free jelly medium in bottles with exclusive patented ventilating stopper insuring purity.



### HUMUS MEDIUM

Scientifically selected bacteria on finely pulverized, porous humus medium in ventilated cans with friction top. If planting more than bushel per acre, the one-bushel size contains sufficient inoculation for any amount of seed to be planted on one acre.

## Farmogerm and Humogerm For All Clovers

NEW LOW PRICES—POSTPAID

¼-bus. size .....	\$0 35	1 -bus. size .....	\$1 00
½-bus. size .....	60	2½-bus. size .....	2 25

(Special for Farmogerm only—10-bus. size.....\$8 00)

**Special Reduced Prices on Culture for Large-Size Seeds,  
Such as Soy Beans, Vetch, Cowpeas, Peas and Beans.**

½-bus. size .....	\$0 35	1-bus. size .....	\$0 60
5-bus. size .....	\$2 25		

**Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25 cts.**

**Be Sure to Specify Quantity and Variety of Seeds You Wish To Inoculate**



# M. & S. FLOWER SEED DEPARTMENT

All Flower Seeds 10c pkt. unless otherwise noted.  
August 1st we issue a Fall Catalogue on Spring Flowering Bulbs, etc. Write or send for it.



**Samples Branching Aster.**  
All pkt. of Seed 10c unless otherwise noted.

**Annuals.** These grow and bloom, mature their seed, then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors after danger from frost is over.

**Biennials.** These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

**Perennials.** Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

1. **Anchusia** (Italica Drapmore) (p). 3 to 5 feet high. Blooms May and June, rich gentian blue.

1a. **Aconitum** (p) (Monks Hood).

1b. **Alysum Yellow** (p). Basket of Gold

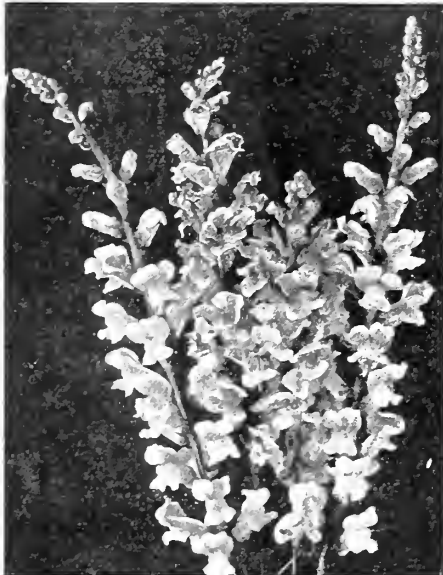
1c. **Asparagus Plumosis** (a). 25 seeds 25c; 100, 75c.

2. **Ageratum** (a) (Floss Flower)—An excellent plant for edging or solid effects. A continuous bloomer. Imperial Dwarf Blue, Imperial Dwarf White or mixed. Oz. 75c.

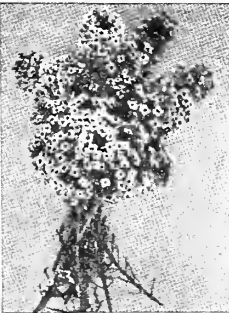
3. **Alyssum** (a) (Carpet of Snow)—One of the most popular garden flowers; in bloom all season. Used for edging or in rockeries or vases. Oz. 75c.

4. **Amaranthus** (a)—Decorative Foliage plants. Caudatus (Love Lies Bleeding) drooping crimson racemes. Tri-color Splendens (Joseph's Coat), leaves red, yellow and green.

4a. **Arabis** (p)—Rock Cress. Early spring flowering plants especially adapted for edging and rockery. 6" high, pure white blossom, flowers in May.



**Antirrhinum or Snapdragon**



**Alyssum**

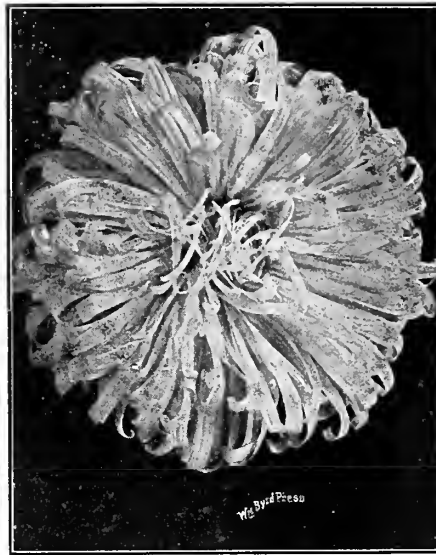
5. **Antirrhinum** (p) (Snapdragon)—A splendid plant for beds or borders and one of our choicest cut flowers. To have flowers early, sow indoors during February and March. Empress, crimson; Fawn, pink suffused yellow; Golden Queen, yellow; Purity, white; Silver Pink, pink self and all colors mixed—oz. \$1.00.

## M. & S. SUPERB ASTERS

To our minds there is no other flower which combines so much beauty with grace and usefulness. In bloom from July till frost. To have early flowers sow indoors from March till May, otherwise sow outdoors. Asters require well-pulverized soil.

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following explanation:



**Ostrich Plumed Aster.**

10. **Aster, Queen of the Market**—Very early: White, pink, lavender, scarlet, dark blue and choice mixed. Oz. \$1.50.



**American Beauty Aster.**

11. **Perennial Aster** (Michaelmas Daisy).

12. **Balloon Vine** (a) (Love in a Puff)—A rapid growing annual climber. Seed pods look like miniature balloons.

13. **Balsam** (a) (Lady's Slipper)—An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers.

14. **Balsam Apple** (a) (Momordica)—Handsome climbing annual, bearing ornamental orange colored fruit.

14a. **Begonia** (a)—Invaluable for bedding and pot culture; about one foot high, beautiful foliage pink, white and crimson mixed.

14b. **Brachycome** (Swan River Daisy)—A desirable hardy annual, blooming profusely the greater part of the summer; small blue flowers resembling those of the Cineraria; 9 inches.

## Gentlemen:

Permit me to express appreciation for the wonderful results obtained in the planting of asters and snapdragons from your seeds

I was very late in planting, but the wonderful shades of the snapdragons especially have brought forth unstinted praise from friends and neighbors.

Gratefully yours,  
BERNARD W. CLEMENTS,  
3007 Tyndale Avenue.

All Flower Seeds, 10c pkt., unless otherwise noted.



15. **Calendula** (a) (Pot Marigold)—Free flowering, in bloom from early summer till frost. They may also be successfully grown indoors. Lemon, Queen, Meteor, Orange King and mixed. **Oz. 40c.**

**Halls Strain—Oz. \$1.50.**

**California Poppy**—(See Eschscholtzia)

16. **Calliopsis** (a)—A very showy annual in bloom from early summer till frost. Lemon, yellow with dark brown centers, rich crimson and mixed. **Oz. 50c.**

17. **Campanula Media** (p) (Canterbury Bell)—These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of six inches apart, after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single blue, pink, white or mixed. **Oz. 75c.**

18. **Canary Bird Vine** (a)—One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. **Oz. 35c.**

18a. **Candytuft** (a)—Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Pink, rose, white and choice mixed. **Oz. 40c.**

18b. **Candytuft Perennial—Iberis**. (p) White and lilac,  $\frac{1}{4}$  oz. **80c.**

19. **Canna** (a)—(Indian Shot)—Although these are generally planted from roots, they may be grown from seeds. **Oz. 30c.**

**Canterbury Bell**—See *Campanula*.

19a. **Carnation** (a) *Marguerite*. These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first winter they will revive the following spring and bloom during that whole season. **Oz. \$1.00.**

19b. **Cardinal Climber** (a) (*Ipomea Quamoclit Hybrida*)—One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 feet; it is densely clothed with palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about  $1\frac{1}{4}$  inches across.

20. **Centaurea** (a) (*Centaurea Cyanus*, Cornflower) — Also known as Blue Bottle, Ragged Robin, Bachelor's Button. An old favorite garden annual.

Double blue, purple, pink, white and mixed. **Oz. 40c.**

21. **Centaurea Imperialis**, or **Sweet Sultan**—Gigantic, beautiful, sweet-scented flowers, borne on long stems. Mixed. **Oz. \$1.00.**

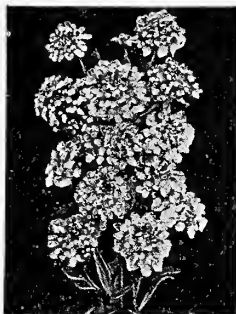
22. **Centaurea, White Leaved** (*Dusty Miller*)—Grown for their silver foliage; fine for edging and hanging baskets.  $\frac{1}{4}$  oz. **30c.**

22a. **Cerastium** (a) (*Snow in Summer*)—Dwarf, white-leaved edging plant; flowers white. **Oz. 40c.**

22b. **Chrysanthemum** (a)—Garden varieties. Double, white pearl, yellow and mixed.

23. **Cineraria**—One of the most ornamental and useful plants for conservatory and house decorations. Mixture, **80c and \$1.00.**

23a. **Clarkia** (a)—One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through midsummer to late autumn. Average height,  $1\frac{1}{2}$  feet.



Candytuft

**Castor Bean**—See *Ricinus*.

24. **Celosia Cristata** (a) (*Crested Cockscomb*)—Very desirable annual of easy culture large comb-like heads, excellent border plants, very good for pots. Mixed **Oz. \$1.00.**

24a. **Celosia Plumosa** (a) (*Feathered Cockscomb*)—Very decorative plant for the garden. The feathery plumes are excellent for cutting. Can also be cut and dried for winter use. Mixed colors. **Oz. 60c.**

25. **Cobea Scandens** (a) (*Cup and Saucer Vine*)—Well-known climber of rapid growth producing large bell-shaped blossoms; in sowing place the seeds edgewise, and merely cover with light soil.

25a. **Coreopsis** (*Lanceolata Grandiflora*)—A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole summer months. Seed sown in March will flower the same season. Height,  $2\frac{1}{2}$  feet.

25b. **Coleus** (a)—**Large Leaved Hybrids**—Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature.

**Convolvulus**—See Japanese Morning Glory.

26. **Columbine**, or **Aquilegia** (p)—A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. White, yellow, blue and violet, scarlet and yellow and mixed. **Oz. 90c.**

27. **Corn, Rainbow** (a)—Stalks grow 5 feet tall, leaves very ornamental. Excellent for decorating.

27a. **Cyclamen Seed**—Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

**Pearl of Zehlendorf**—Salmon pink. **Rose of Zehlendorf**—Rose. **Rose of Marienthal**—Bright pink. **Glowing Red**—Finest red. **Pkt. 50c; 100 seeds \$1.50.**

28. **Cosmos** (a) (*Lady Lennox*)—Giant flowering. An autumn flowering plant. A charming profuse bloomer. Crimson, pink, white and all colors mixed. **Oz. 50c.**

23a. **Cosmos Klondyke** (a)—Same as above, but a clear orange yellow. **Pkt. 10c; oz. \$1.00.**

29. **Early Summer-flowering Cosmos** (a)—Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth; 4 feet. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed; profuse bloomer. **Oz. 50c.**

29a. **Double-crested Cosmos** (a)—Extra early flowering. This is an entirely new class of cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white, crimson and mixed. Seed scarce.

30. **Cypress Vine** (a) (*Ipomea Quamoclit*)—A very graceful annual climber, with feathery foliage and beautiful star-like flowers. Scarlet, white, mixed. **Oz. 50c.**

**Dahlias** (a) (from seed)—There is no more fascinating flower to raise from seed than the dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past. Cactus single and double flowering varieties.

31. **Dahlia**—Single mixed.

32. **Dahlia**—Double mixed.

32a. **Dahlia**—Cactus mixed.

33. **Daisy** (p), **English Double** (*Bellis Perennis*)—Seed should be sown from June 1st till September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 inches; white, pink, crimson and mixed.

33a. **Shasta Daisy** (p)—Very large; white single flowers on long stems.

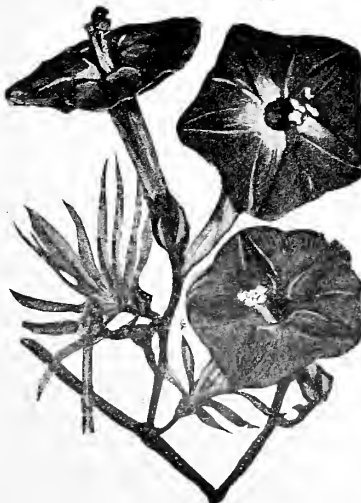
34. **Dianthus** (p), **China Pink**—One of the most popular flowers in cultivation; blooms profusely. Great variety of colors. Extra choice. Single mixed, double mixed, pure white, pink and crimson. **Oz. 60c.**



Crested Cockscomb



Columbine



Cardinal Climber

All Pkt. Seeds 10c  
unless otherwise noted.

**35. Delphinium (p)** (Hardy Perennial Larkspur) — Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flowerspike is cut back promptly it will branch and flower all through Fall. **Formosum:** Deep Blue. **Belladonna:** Light Blue. **Oz. \$3.50.** **White,** oz. \$1.25. **Deep Scarlet.** Oz. \$2.00. **M. & S. Giant:** Mixed. \$1.00 per oz.

**36. Dimorphothea (a)** (Golden Orange Daisy)—One of the showiest garden plants of recent introduction; fairly compact, bushy plants are literally covered with brilliant orange-gold, daisy-like blooms, on fairly long stems during the entire season; excellent for cutting.



**Hyacinth Bean—Most Ornamental Climber.**

**37. Didiscus—Lace Flower**—This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as 50 flowers open at one time.

**37a. Digitalis (p)** (Foxglove)—Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet. Purple, rose, white, spotted mixed and all colors mixed. **Oz. \$1.00.**

**38. Dolichos (a)** (Hyacinth Bean, or Texas Climber)—Showy climber, making rapid growth. White, purple, mixed. **Oz. 25c.**

**39. Eschscholtzia (a)** (California Poppy)—An elegant hardy annual with fine cut foliage and large poppy-like flowers; blooms from June till frost; fine for borders or large beds. Yellow and choice mixed. **Oz. 40c.**

**40. Euphorbia (a)**—Plants with ornamental foliage, very showy and easily raised from seed. Known as "Snow on the Mountain." **Oz. 60c.**

**40a. Echinops (p)** **Globe Thistle**—Excellent background for perennial border; blue; 6 feet.

**Forget-Me-Not**—See *Myosotis*.

**Four o'Clock**—See *Marvel of Peru*.

**Foxglove**—See *Digitalis*.



**Gaillardia**

**41. Gaillardia (a)** (**Blanket Flower**)—One of the best garden flowers, excellent for cutting. The large highly-colored, daisy-like flowers appear continually during the season. **Oz. 60c.**

**41a. Gaillardia (p).** If sown early will bloom first season. Mixed colors. **Oz. 90c.**

**42. Godetia (a)** (**Satin Flower**)—Beautiful and easily grown, producing a profusion of flowers, satiny texture.

**43 and 44. Gourds (a)**—Dish-cloth or Luffa—Nest Egg, Hercules Club, Pear Shape, Mock Orange, Sugar Trough, Calabash, or Pipe Gourd, Thermos Bottle, Chinese Lantern, and a general mixture; rapid climbers. **Each, Oz. 40c.** State kind wanted.

**45. Gypsophila (a)** (**Baby's Breath**)—Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers. White and carmine. 2 feet. **Oz. 50c.**

**45a. Gypsophila (p)**—*Paniculata alba*. White. **Oz. 75c.**  
**Helianthus**—See *Sunflower*.

**46. Heliotrope (a)**—A well known and highly prized plant on account of the delightful fragrance of the flower. Excellent for pots or beds. **Pkt. 10c and 25c.**

**47. Helichrysum (a)** (**Strawflower**)—One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried. Mixed colors. **Oz. 50c.**

**48. Humulus (a)** (**Japanese Hop**)—A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. **Oz. 50c.**

**48a. Hibiscus (p)** (**Mallow**)—These bear very showy flowers, are easily grown and should find a place in every garden. Mixed colors, white, pink and red; and Golden yellow. **Sunset;** height, 4 ft.

**Hollyhock (p)**—One of the most popular and desirable of hardy perennials. Excellent for planting among shrubbery or fringing a background for other flowers; 6 to 7 feet.

**49. Chater's Improved Double Hollyhock** in separate colors: Rose white, salmon, maroon, yellow, Newport pink, crimson and mixed colors. **Oz. \$1.25.**

**49a. Hollyhock Single**—Choice colors mixed. **Oz. \$1.25.**

**49b. Helioopsis (p)** (**Orange Sunflower**) (*Pitcheriana*)—A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire Summer; excellent for cutting; 3 to 4 feet.

**49c. Hunnemannia (a)** (**Giant Yellow Tulip Poppy**)—Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height, 2 feet.

**Hyacinth Bean**—See *Dolichos*.

**Ipomoea**—See *Moonflower*.

**49d. Ice Plant (a)**—Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.

**50. Job's Tears (a)**—Seeds are used for stringing instead of beads. **Oz. 50c.**

**51. Kochia (a)** (**Summer Cypress, or Mexican Fire Bush**)—An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color; 2 to 3 feet. **Oz. 40c.**

**Lace Flower**—See *Didiscus*.

**52. Kudzu Vine (p)** (*Puevaria Thunbergiana*)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc.

**52a. Lantana (a)**—Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble *Verbenas*; plants bloom all Summer. Mixed. **Oz. 50c.**

**Larkspur**—See page 33.

**53. Lathyrus Latifolius Perennial Sweet Pea**—Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red, white pearl and mixed colors. **Oz. 60c.**

**54. Lupinus (a)**—Very desirable garden plants, showy, excellent for cutting. Graceful spikes 2 feet long in various shades of white, blue, pink and yellow mixed. **Oz. 60c.**

**55. Lupinus (p)**—Mixed colors.

**Marigold (a)**—These are old favorite free flowering annuals with rich showy flowers blooming all summer. The tall African varieties are best for garden and cutting, while the dwarf French varieties are best suited for edging and bedding purposes. In colors and mixed.

**56. Marigold, French**—*Legion of Honor*, single brown and yellow; *Golden Ball*, double golden yellow, dark and all colors mixed. **Pkt. 10c; oz. 60c.**

**57. Marigold, African**—*Lemon Queen*, *Orange Prince* and mixed colors. **Pkt. 10c; oz. 75c.**



**Helichrysum or Strawflower**



**Kochia or Summer Cypress**



**Marigold**





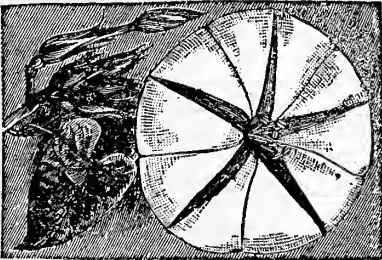
Marvel of Peru

**Mignonette (a)**—Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter.

**60. Golden Machett**—Large reddish tinted, sweet scented flowers. Oz. 75c.

**60b. Mimulus (a) (Tigrinus)**—Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 ft.

**Momordica**—See Balsam Apple.



Moon Flower.

**62. Imperial Japanese Morning Glories (a)**—These are beyond question the handsomest of all Morning Glories. Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm and settled; they soon

**58. Larkspur (annual)**—Splendid annuals of easy culture. When sown early in spring will produce blooming plants in July. Graceful, fern-like foliage and slender spikes. Fine for cutting and garden decorations. White, Blue, Pink and all colors mixed. Oz. 75c.

**Larkspur (perennial)**—See Delphinium.

**Lily of the Valley**—We furnish strong clumps for 30c.

**58a. Lobelia (a)**—No garden is complete without an edging of blue lobelias. Very desirable for pots and hanging baskets. Crystal Palace.

**59. Marvel of Peru (a) (Four o'clock)**—Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 feet. Oz. 30c.



Mignonette

**61. Moon Flower (a) (Ipomoea Noctiflora)**—Climber. At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. Oz. 75c.

cover a large area, and even before flowering are decidedly interesting on account of the varied forms of the foliage and their markings. The flowers are of gigantic size and their colorings beyond description; the self or solid colors range from snow-white to black-purple, with all the possible intermediate shades; there is also an endless number having flowers spotted, marbled, striped, flaked, splashed, etc. Oz. 25c.

**63. Double-Flowering Morning Glories**

(a)—These beautiful climbing annuals are of very rapid and luxuriant growth; the flowers will come double, semi-double and a few, perhaps, single. The colors vary; there are various shades of blue, white spotted with red, white marbled with purple and lavender, crimson, pure white, etc. Mixed colors. Oz. \$1.00.

**64. Fancy Fringed Morning Glories (a)**—The perfection of morning Glories. Immense flowers, often as big as saucers, all wavy, ruffled and fluted from throat to margin, like crumpled velvet. They are simply magnificent. Mixed colors. Oz. 50c.

**Mourning Bride**—See Scabiosa.

**65. Myosotis (Forget-Me-Not)**—Beautiful, half hardy perennials, blooming the first year.

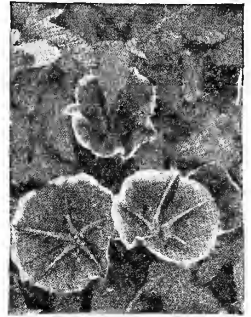
**Nasturtium**—See below.

**65a. Nicotiana (a)**—Splendid showy flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere. Mixed colors and pure white and purple.

**66. Oenothera (a) (Evening Primrose)**—Beautiful low-growing plant, producing large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors; mixed.

**66a. Passion Flower (p) (Southern Beauty)**—Climber mixed. Called "Passion Flower" on account of a resemblance in the flower to the appearance presented at Calvary.

Use our **High-Grade Sheep and Cattle Manure** extensively in your flower garden and be repaid by best results. We can sell you a cart load in a 100 lb. bag. (See cover page for price.)



Morning Glory

Gentlemen;

We surely were pleased with the seeds last year. I had the loveliest Straw-Flowers I have ever seen; some of the "trees" the children called them, were 5 ft. high and blooms as large as a silver half dollar. My snapdragons were also very beautiful. Mrs. Irene Jessop, 315 Caton Ave.

## M. & S. GIANT FLOWERING NASTURTIIUMS

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

### M. & S. Dwarf-Named Nasturtiums

**67. Vesuvius (Salmon Rose)**—These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom in two months from sowing, and most profusely the whole season.

**68. Chameleon**—Produces various colors and markings on the same plant.

**69. Empress of India**—Dark-leaved velvety dark scarlet flowers; select flowers.

**70. Spotted King, or Ladybird**—Rich yellow, scarlet-spotted flowers, dark-leaved; splendid.

**71. Queen of Tom Thumbs**—Variegated foliage; choicest mixture.

**72. Golden Queen**—Yellow-leaved, with golden yellow flowers.

Prices on all the varieties as follows: Pkt. 10c; oz. 20c; ¼ lb. 60c.

Our Nasturtiums are noted for their size, variety and brilliancy.

**M. & S. Fancy Giant Flowering Mixed Dwarf**—Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**M. & S. Tall or Climbing Nasturtiums**—For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. Pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.



M. & S. Giant Flowering Dwarf Nasturtiums



M. & S. Tall or Climbing Nasturtiums

# M. & S. PERFECT PANSIES



M. & S. Triumph of the Giant Pansy

lowing spring. Pansies thrive best in moist semi-shade situations.

73a. **Masterpiece** (Frilled Pansy)—Flowers beautifully curled brilliancy and richness of coloring, including many new and rare shades. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

73a. **Masterpiece** (Frilled Pansy)—Flowers beautifully curled or waved. Exquisite colors. Pkt. 25c; 5 pkts. \$1.00.

74. **Steele's Special Greenhouse Mixture**—Equally good for outdoor. Pkt. 25c; 5 pkts. \$1.00; oz. \$6.00.

74a. **Tufted Pansies or Violas**—While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produces flowering plants by June, and from then on until frost they are a sheet of bloom. All colors Mixed and Blue. Oz. \$2.50.



M. & S. Giant Exhibition Pansies

74b. **M. & S. GIANT EXHIBITION PANSIES**—A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$3.00.

75 **M. & S. GIANT PANSIES**—In separate colors.

Mention number and variety wanted when ordering.

**Lord Beaconfield**—Purple, violet and white.

**Snow Queen**—Pure white.

**Emperor William**—Indigo blue black, blotched.

**Canary Bird**—Pure yellow.

**King of the Blacks**—Lustrous jet black.

**Lord Baltimore**—Yellow maroon blotches.

**May Queen**—White with violet blotches.

All the above: \$2.50 per oz.

All Flower Seeds 10c Pkt. Unless Otherwise Noted.

## PANSIES

Strictly considered this a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following spring.

## Poppies

ALL FLOWER SEEDS 10 CTS. PER PKG. UNLESS OTHERWISE NOTED

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.

76. **Orientele Poppies** (p)—Enormous flowers of deep, flashing scarlet, entirely hardy anywhere, and mixed; 3 feet.

76a. **"Mikado"** (a)—Double the Striped Japanese Poppy—This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum.

77. **American Flag** (a)—Beautiful variety; flowers very large and double, snow white, bordered with scarlet.

77a. **Double Flowered Mixed Poppies** (a)—Immense double flowers, resembling a Peony; two feet.

78. **M. & S. Shirley Poppies** (a)—A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors; mixed. Oz. 40c.

78a. **Iceland Poppy** (p)—These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 foot.

**Yellow Tulip Poppy**—See Hunnemannia.

79. **Portulaca Single** (Mexican Rose)—Brilliant hardy annual, of easy culture; excellent for massing in beds, or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. Oz. 75c.

80. **Portulaca Double** (a)—Pkt. 10c; oz. \$2.00.

80a. **Primula** (P). Hardy primroses are among the most prized of our Spring blooming plants, 1 to 1½ feet high. Mixed colors.

80b. **Primula Obconica**—Used for greenhouse; very finest mixture. Pkt. 30c and 60c.

80c. **Primula Chinensis** (Chinese Primrose)—Very finest mixture. Pkt. 30c and 60c.

80d. **Pyrethrum** (p)—Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.

80e. **Rhodanthe** (a)—Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed.



Orientele Poppies

## Petunias

The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

81. **M. & S. PETUNIA MAMMOTH**. (a) Very fine, all colors mixed. Oz. \$1.50.

82. **Snowball**—Pure white; oz. \$1.75.

82a. **Rosy Morn**—Pink; oz. \$2.50.

83. **Howard's Star Petunia**—A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinctive five-pointed white star. Single. Oz. \$3.50.



Petunia

83a. **M. & S. De Luxe Bedding Petunia**—Embracing only large flowering, gorgeous colored varieties. Oz. \$2.50.

83B. **Balcony Petunias**—A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer, until frost; the flowers are large, averaging 3 inches across.

**Blue**—Rich Indigo blue.

**Crimson**—Rich velvety crimson.

**Rose**—Brilliant rose pink.

**White**—Pure white.

**Mixed Colors.**

All of the Above—Pkt. 15c; Large pkt. 50c.

84. **Phlox Drummondii** (a)—Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, crimson-white striped, pink with white eye, purple white striped, yellow-white with pink eye, rose-white striped, or all colors mixed. When ordering, mention color wanted. Oz. \$1.50.

85. **Phlox Hardy** (p)—For a gorgeous show these are the most satisfactory of all perennial plants, 2 to 3 feet high in all bright colors; seed sown late in Fall will germinate in the Spring. Mixed colors only. Oz. \$3.00.

ALL FLOWER SEEDS POSTPAID

## Ricinus (a) (Castor Oil Bean)

One of our best ornament-leaved annual plants, largely used for the center beds, being splendidly effective grouped with cannas, Caladiums and other tall plants.

**86. New Ricinus or Castor Oil Plant "Red Spire"**—The shapely bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn numerous spikes of flowers or seed pods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. **Per pkt. 15c; 40c. per oz.**

**87. M. & S. Ricinus Mixture**—Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. **Oz. 20c.**

**88. Zanzibariensis**—Enormous leaves, varying in color from light green to purplish red. 12 feet. **Oz. 25c.**

**89. Sanguines**—Plants attain great dimensions—12 to 14 feet. Leaves a beautiful blood red. **Oz. 25c.**

**89a. Rudbeckia-Newmami (p)**—One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals surrounding a large black cone.

### SALVIA (a) (SCARLET SAGE)

**90. Salvia Splendens**—This popular bedding plant is impossible to be replaced. There is nothing more effective in the Fall or mid-Summer than these bright scarlet flowers. Seed should be started either in the house from February till April or in hotbeds. Best bedder, beautiful scarlet flowers of immense size. **Oz. \$2.00.**

**91. Salvia Bonaire**—Compact bushy plants; two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. Height, 2½ to 3 feet. ¼ oz. 75c.

**92. Salpiglossis (a) (Painted Tongue)**—Very beautiful, hardy, annual plants, flowering freely from July to early Autumn. Rich soil should be provided, with plenty of space for plants to develop. Blue, rose, violet, red, purple, yellow, maroon and all colors mixed.

**93. Scabiosa (a) (Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, etc.)**—Beautiful colored flowers, 2½ feet high; fine for cut flowers.

**94. Scarlet Runner (a)**—Ornamental and useful climbing beans. **Oz. 10c.**

**95. Sensitive Plant (a) (Mimosa)**—A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ feet high.

**95a. Smilax**—A well-known greenhouse climber, with small dark-green foliage; of great value in floral work. **Oz. 60c.**

**95b. Statice (Sea Lavender) (p)**—The statice are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers, but also the keeping qualities, which make them a joy in a winter bouquet of everlasting flowers. We offer four colors: Blue, Rose, White and yellow. Special to introduce them: 1 pkg. of each, 30c.

**Snapdragon**—See Antirrhinum.

**96. Stock (a)**—Half-hardy annual; fine for cutting, bedding or edging, also pot culture; average 1 to 1½ feet. Mixed colors. White, pink, yellow, crimson, light blue, dark blue, separate colors.

**96a. Stokesia (p) (Cornflower Aster)**—Blooms all Summer. Large attractive flowers, resembling asters; fine for cut flowers; two feet high.

**Strawflower**—See Helichrysum

**97. Sweet William (p) (Dianthus Barbatus)**—This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single crimson, single red with white eye, single velvety, maroon, single white and choicest double mixed, single mixed; all colors. **Oz. 75c.**

**97a. Sweet Sultan (a) (Centaurea Moschatus)**—Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.

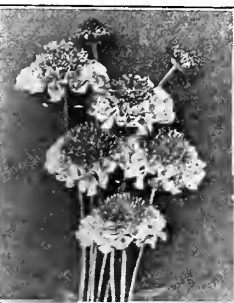
**97b. Sweet Rocket (Hesperis) (p)**—Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant white and purple flowers; 2 to 3 feet. Mixed.



Salpiglossis



No. 98—Sweet Sultan.



Scabiosa

## Sunflower (a)

### 98 THE UNIQUE RED SUNFLOWER



Unique Red Sunflower.

Of recent introduction. The plants reach a height of from 5 to 8 ft. and throw out many branches. Flowers are very numerous, of good form, usually having large long rays and small discs. Heads vary greatly in size—some are only 2 or 3 ins. across, while others are a foot or more. The color diversifies greatly, some plants produce flowers of rich chestnut red, others red flowers tipped with yellow, others washed with red. This variety in size and color makes a hedge or border interesting and attractive. Some few seeds will produce plants bearing yellow flowers; for, although the seeds came from carefully selected stock, they were grown in a region where sunflowers abound and the wild, doubtless, have crossed some with pollen from the wild flowers. The plants likely to produce yellow flowers have no purple in stem or leaf and can be destroyed when seedlings. **Oz. 50c.**

**98a. Single Sunflower (a)**—Dwarf.

**Single Sunflower (See Heliosis) (p).**

**99. Double Sunflower (a)**—Dwarf chrysanthemum-flowering; very attractive. **Oz. 40c.**

**100. Sunflower (a) (Large Russian)**—Six to eight feet high; immense flowers. **Oz. 10c.**

**101. Thunbergia (a) (Black-Eyed Susan)**—Beautiful. Very ornamental climber.

**102. Verbena (a)**—Dwarf bedding plants for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M. & S. Fancy White, Scarlet, Dark Blue, Light Blue, Scarlet-White Eye, Pink-White Eye, Violet-White Eye and all colors mixed. When ordering state color wanted. **Oz. \$1.50.**

**103. Vinca (a) (Madagascar Periwinkle)**—Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

**103a. Violet (p)**—Deservedly much in demand because of their profusion of bloom and delicate odor. Purple Queen and finest mixed.

**103b. Veronica-Longiflora (p)**—Blue flowers; two feet high, August to October.

**104. WALLFLOWER (p)**—Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders.

**Early Feltham**—Fine brown, dwarf.

**Cloth of Gold**—Yellow.

**Vulcan**—Dark blood-red; all colors mixed. State color wanted. **Oz. 40c.**

**Creamy White** — Oz. 40c.

**Wallflower** — All colors mixed. **Oz. 40c.**

**105. Wild Flower Garden (a)**—Fine mixture of old favorites. **Oz. 15c.**

**All Pkt. of Seed 10c each unless otherwise noted.**

### 106. CHINESE WOOLFLOWER (Celosia Chlidisi)

This is a unique form of the feathered Cockscomb, growing 2 to 3 feet high, by as much through each branch terminated with a large head of flowers that look as if made out of some silky wool material, and which is nicely shown in our illustration. Not only effective in beds or borders, but highly interesting and valuable for cutting, as they can be dried, and retain their bright color for weeks. We offer three colors and mixed. Dark Pink, very rich color. Canary yellow, pure white and mixed.



Chinese Woolflower



# M. & S. GIANT DAHLIA - FLOWERED ZINNIAS

All Flower Seed Postpaid.

This splendid new and distinct race is without a doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and 2½ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other.

The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite. The seed can be sown early in the hot-bed or light window and transplanted or sown later in the open ground. They come into flower early in the summer and keep on blooming until hard frost. The varieties offered are the most important kinds.

**107. Crimson Monarch**—By far the largest and best of the red shades; plants very vigorous.

**108. Dream**—A fine, deep lavender turning to purple, a new, desirable shade in Zinnias.

**109. Exquisite**—One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose centre.

**110. Golden State**—A very rich orange yellow; yellow in the bud, turning to an attractive orange when in full bloom.

**110a. Purple Prince**—A fine, deep purple, large and well formed.

**111. Oriole**—One of the most beautiful of its class; an immense orange and gold bi-color, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named.

**112. Polar Bear**—A very large pure white; the best white yet seen in Zinnias.

Price the above seven varieties 20c per pkt.; large pkt. 35c each.

Collection—One packet each of above seven separate varieties for \$1.25.

Collection—One large pkt. each of above seven separate varieties for \$2.00.

**113. Mixed Colors**—A well blended mixture, covering a wide range of colors and shades. Oz. \$2.00; pkt. 10c and 25c.

## M. & S. CHOICE ZINNIAS

(YOUTH AND OLD AGE)

**M. & S. SPECIAL STRAIN OF DWARF GIANT FLOWERING DOUBLE ZINNIAS**—A special strain of this grand old favorite free and continuous flowering annual, which produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet and bearing on long strong stems numerous semi-globular, mostly very double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable



Giant  
Dahlia-Flowered  
Zinnia.



A Field of Giant Dahlia Flowered Zinnias.

conditions they remain in bloom from early summer to late autumn.

We offer six of the most wanted colors, separately, as well as a splendid mixture of many colors, as follows:

**114. Golden Yellow.** Pkt. 10c; oz. 75c.

**115. Bright Scarlet.** Pkt. 10c; oz. 75c.

**116. White.** Pkt. 10c; oz. 75c.

**117. Salmon Rose.** Pkt. 10c; oz. 75c.

**118. Canary Yellow.** Pkt. 10c; oz. 75c.

**119. Dark Scarlet.** Pkt. 10c; oz. 75c.

Collection of a packet of the above 6 colors. 50c.

**120. Giant Flowering Dwarf**—Mixed. All colors. Pkt. 10c; oz. 50c.

**121. Giant Flowering Tall**—Mixed. All colors. Pkt. 10c; oz. 50c.

**122. M. & S. Victory Zinnia**—This is a new introduction of Zinnia, forming quille petals. Choice mixed including all beautiful and several new colors. Pkt. 10c; oz. \$1.00.

**123. Curled and Crested Zinnia**—The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise

all the brilliant shades characteristic of the Zinnia. Pkt. 10c; oz. 75c.

**124. M. & S. Picotee Type Zinnia**—We offer for the first time this exquisite new Zinnia. The flowers which are not quite as large as the double giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt. 10c; oz. \$1.00.

## UNSOLICITED RECOMMENDATION

The Meyer Seed Co.  
Dear Sir:

Looking over my garden notes and work for this season, I feel I ought to give a report of the result of our success with your Garden Seeds. Notwithstanding the fact that this has not been a very favorable season to fully establish the merits of all vegetable crops.

The following named varieties merit special mention as exceptionally fine, and are highly recommended:

Beans—Bountiful for early and "Full Measure" for second early and late.

Bush Lima—M. & S. "Enormous."

Beets—M. & S. Early Marvelous.

Sweet Corn—M. & S. Snow White Evergreen.

Tomatoes—M. & S. Early Wonder for early, and Kellys Red for main crop.

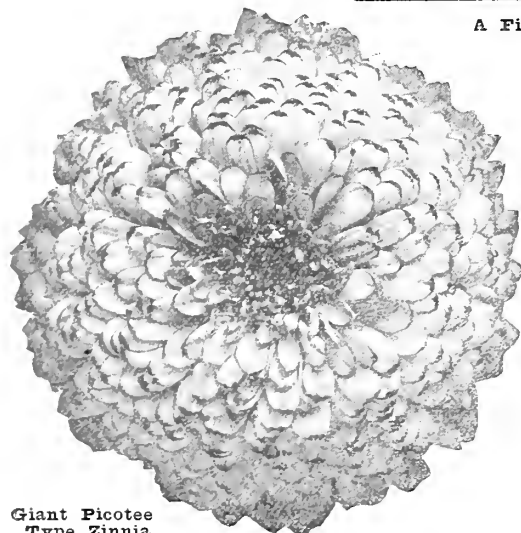
Peas—Prolific, Early Market and M. & S. World's Record.

Spinach—Juliana for spring sowing, and Bloomsdale for fall sowing.

It is a source of much satisfaction and pleasure to deal with The Meyer Seed Co., and we certainly appreciate the kindness and the willing spirit in the many times we have asked you to secure for us articles or items not carried in stock.

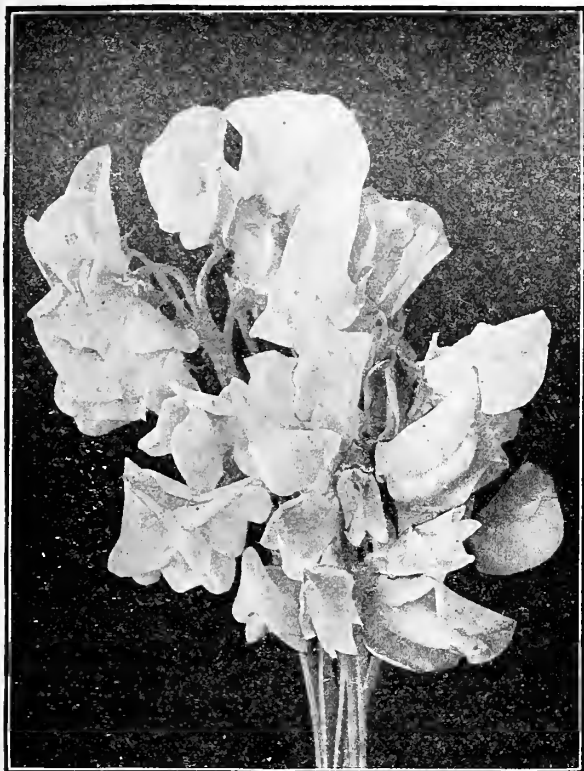
Very gratefully yours, JOHN H. GRIFFITH,

Supt. for D. K. Este Fisher, Ruxton, Maryland.



Giant Picotee  
Type Zinnia.

## M. & S. SPENCER, or ORCHID SWEET PEAS



Spencer, or Orchid Flowering Sweet Peas.  
Hardy Sweet Peas.

### HARDY SWEET PEAS

*Lathyrus Latifolius* (Perennial Sweet Pea)—Showy hardy climber, fine for covering walls and stumps. Free flowering. Pink, red, white, pearl, and mixed colors. Pkt. 10c; oz. 60c.

All Sweet Peas Postpaid.

Inoculate Sweet Peas, to insure success. Use Mulford's Culture, Farmogerm or Humogerm. For particulars, see page 29.

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear flowers on long stems.

125. Constance Hinton — Best White.

126. Blanche Ferry — Pink and White.

127. Mrs. Rontzahn—Apricot and Straw Color.

128. Wedgwood—Blue.

129. Primrose Spencer—Pink.

130. Hercules—Pure Pink.

131. King Edward—Pure Red.

132. Margaret Atlee—Rosy Buff.

133. Blue Picotee—White Blue

Edge.

134. Masterpiece—Lavender.

135. Othello Spencer — Deep

Maroon.

136. Florence Nightingale — Blu-

ish-Lavender.

Price on all the above—Pkt. 10c;

oz. 25c; ¼ lb. 75c; 1b. \$2.50.

M. & S. SUPERB SPENCER MIXTURE—A mixture that cannot be surpassed. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1b. \$1.50.

137. Crimson King—Unquestionably the finest self-colored Crimson Sweet Pea ever introduced. The strong growing vines produce freely the very long stemmed sprays of four fine large blossoms. The color is a solid rich deep crimson.

138. Youth — An exceptionally large and fragrant Sweet Pea. The color is white edged in a beautiful manner with a delicate soft rose pink. The plant is robust in growth and bears four blossomed sprays in great profusion.

Prices on both varieties: Pkt. 25c; oz. 50c; ¼ lb. \$1.50.

## M. & S. Gilt Edge Sweet Pea Mixture

This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Oz. 15c; ¼ lb. 30c; ½ lb. 50c; 1b. 90c.

## M. & S. Winter Flowering Spencer Sweet Peas

For indoor forcing. This seed has been grown from originator's stock and can be depended upon for excellent results.

139. Snow Flake—Large and of the best waved Spencer form. The pure white flowers are borne in wonderful profusion on long stems.

140. Early Harmony—Clear lavender throughout; of large size and well waved.

141. Early Red Cross—Fine scarlet.

142. Columbia—Pink standard, white wings.

143. Yarrowa—A pleasing shade of bright rose pink with lighter wings.

144. Hercules—Giant rose pink.

145. Early Meadow Lark—Large early cream.

146. Glitters—The sensational orange scarlet, very bright.

146a. Zoolanecks Rose—A very large and wavy, rich rose pink.

All the above, 10c per pkt.; ½ oz. 30c; 1 oz. 60c.

## Iris Germanica

For Parcel Post, add 5c per plant, 25c per dozen

Nothing in the floral kingdom can equal the variety of color found in the new Germanica Hybrid Iris. They are both hardy and permanent, increasing every year at least twofold. Plant shallow, give lime or bone but avoid fresh manure.

### EXHIBITION VARIETIES

Ambigu—Rosy copper. \$1.00.

Camelot—White frilled blue. 50c.

Caterina—Large blue bi-color. 50c.

Ivanhoe—Steel blue. 50c.

Lent A. Williamson—Large blue violet

bi-color. \$1.00.

Mary Garden—White dotted yellow

and mauve. 50c.

Queen Caterina—A pale violet blue.

\$1.50.

Romany—Chamois and ox blood red.

\$1.00.

Roseway—An attractive lavender pink.

\$1.00.

Shekinah—A clear luminous light

yellow. \$1.50.

Sindjka—Dull amber and violet. \$1.00.

Tom Tit—A semi-dwarf blue. 50c.

Tristram—White, blue falls. \$1.50.

White Knight—A clear pure white.

50c.

### POPULAR VARIETIES

Alcazar—Light and dark violet.

Lemon Queen—Buff, falls veined lilac.

Lohengrin—Cattleya rose.

Loreley—Yellow, falls violet.

Pallida Dalmatica—Lavender blue.

Pansy—Violet mauve.

Parisiana—White frilled and dotted

mauve.

Pocahontas—White frilled blue.

Prosper Langier—Copper mauve.

Any of the above 35c each; \$3.50 per dozen.

Blue Jay—Late blue.

Junita—Tall blue.

Mdme Chereau—White frilled blue.

Nibelungen—Fawn and violet.

Patapsco—Light blue and purple.

Perfection—Light blue and violet

black.

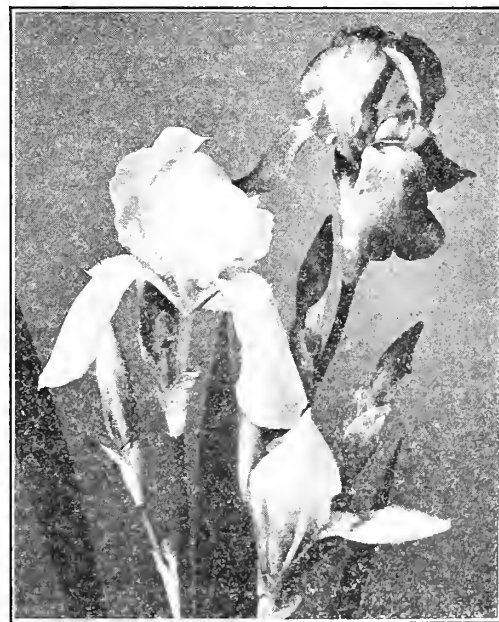
Queen of May—Lavender pink.

Blue Siberian Iris.

White Siberian Iris—The two latter bear clouds of small dainty flowers a little later than the other varieties. Very hardy and desirable.

Any of the above 25c each; \$2.50 per dozen.

12 Choice varieties of Iris, our selection \$2.50 labeled; \$2.00 unlabeled.



Iris Germanica



## M. & S. SUPERFINE GLADIOLUS

OUR BULBS ARE  
1½ INS. AND UP.

If to be sent by Parcel Post, add postage at 35c per 100. Single bulbs and dozens we deliver free in U. S.

**Culture**—what a wonderful stride the Gladiolus has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with it has never been known. Gladiolus will grow in any open position, where there is a fair amount of sun, and bloom well. They are not only showy in the garden, but, when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

**Anna Eberius**—A deep rich purple; very unusual and particularly attractive. 15c each; \$1.40 doz.; \$9.00 100.

**Alice Tiplady**—Large flower of beautiful orange saffron color. Early. 10c each; \$1.00 doz.; \$7.00 100.

**America**—Delicate lavender-pink; flower large size. Very popular. 5c each; 50c doz.; \$3.50 100.

**Evelyn Kirtland**—Beautiful shade rosy-pink, darker at the edges, with brilliant scarlet blotches on lower petals. Tall spike, extra fine form and color. 10c ea.; \$1.00 doz.; \$7.00 100.

**Flora**—Fine golden yellow; very large flowers. 10c each; \$1.00 doz.; \$7.00 100.

**Herada**—Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. An unusual color and very effective as a cut flower. 12c each; doz. \$1.85; \$8.00 per 100.

**Le Marechal Foch**—Beautiful shade of light pink, flowers very large; one of the earliest. 7c each; 75c doz.; \$5.00 100.

**Louise**—Exquisite shade of clear lavender, growing brighter toward the center. 12c each; \$1.25 doz.; \$8.00 100.

**L'Immaculee**—Pure white, long spikes with many flowers open at one time; very early. 7c each; 75c doz.; \$5.00 100.

**Mrs. Francis King**—Light scarlet, lower petals splashed deeper red. Tall spikes; very popular. 6c each; 60c doz.; \$4.00 100.

**Mrs. Frank Pendleton, Jr.**—The color is a delicately flushed salmon pink extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 12c each; \$1.25 doz.; \$8.00 100.

**Mrs. Fred C. Peters**—Gorgeously light blue with deeper markings, many flowers open on long stems. 25c each; \$2.50 doz.

**Mrs. Dr. Norton**—Very large flowers well set on a tall and graceful spike with 4 to 8 flowers in bloom at one time. Color, white, with edges of petals suffused with soft La France pink; a very choice variety. 15c each; \$1.40 doz.; \$9.00 per 100.

**Niagara**—Delightful cream shade. The throat is splashed with carmine, also the lower end of petals. Large flowers on good spike. 7c each; 75c doz.; \$5.00 100.

**Panama**—Beautiful pink. Distinctive and popular. 8c each; 85c doz.; \$6.00 100.

**Peace**—Flowers are large, of good form, correctly placed on heavy straight spike. Beautiful white with lilac feathering on lower petals. 8c each; 85c doz.; \$6.00 100.

**Prince of Wales**—Large flowers of salmon pink, very early blooming. 10c each; \$1.00 doz.; \$7.00 100.

**Rose Pearl**—Large flower of very pale pink, nearly white; very early. An attractive variety. 10c each; \$1.00 doz.; \$7.00 100.

**Schwaben**—Delicate pale yellow, dark blotch in center. Very popular. 7c each; 75c doz.; \$6.00 100.

**War**—Deep blood red. Very tall and conspicuous. A fine late variety. 7c each; 75c doz.; \$5.00 100.

**Wilbrink**—Pale livid pink with creamy blotch on lower petal; very early and fine cutflower. 10c each; \$1.00 doz.; \$7.00 100.

**M. & S. Giant Flowering Mixed Gladiolus**, composed of all named varieties in gorgeous blending, 5c each; 50c doz.; \$3.50 100.

## M. & S. Superfine Canna Bulbs

Postage 5c each; 25c dozen

In almost every private garden, in all public parks and in most of the large cemeteries Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

**Culture**—Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower and these shoots are being constantly produced throughout the blooming season.

**Note**—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.

**Apricot**—We consider this canna of unusual merit and especially valuable. Has healthy bright green foliage growing about four feet. Color mixture, of buff and salmon.

**Eureka**—The best white variety; free bloomer; green foliage. 4 feet.

**Firebird**—One of the best red-flowering cannas. Green foliage. 4½ feet.

**Florence Vaughan**—Yellow, spotted crimson; green foliage. 5 feet.

**Gladioflora**—Has unusual shape resembling a Gladiolus. Color crimson changing to carmine rose and edged with gold; green foliage. 3 feet.

**Hungaria**—Rich peach blossom pink. Free, early and continuous bloomer; green foliage. 3½ feet.

**King Humbert**—Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a center, edged with a dwarf yellow canna, or vice versa, placing it around a center of a tall yellow variety.

**Mrs. A. F. Conard**—Gigantic flowers which are borne in immense clusters. Salmon pink, a shade which becomes more brilliant as the flower develops. Foliage light-green. 4 feet.

**Richard Wallace**—Light yellow; green foliage. 4½ feet.

**The President**—This splendid new variety produces immense flowers of a rich, glowing scarlet; green foliage. 3½ feet.

**Wyoming**—Orange chrome red; bronze foliage. 6½ feet.

**Yellow King Humbert**—This is a sport of the well-known bronze-leaved variety, but this has green foliage. Has masses of golden yellow flowers, dotted red. 4½ feet.

All Varieties: 15c each; \$1.50 doz.

Special Offer: 1 of each 12 above, not labeled, \$1.25, postpaid.



Cannas.



Type of  
M. & S.  
Giant-  
Flowering  
Mixed  
Gladiolus.

# M. & S. SUPERB SURE-BLOOMING DAHLIAS

If to be sent by parcel post, add 5c to each root or 25c per dozen. Varieties marked (o) postpaid.

## Novelties and Varieties of Special Merit

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use sheep manure and quick-acting bone meal, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

Orders for Varieties marked (o) will be filled in rotation, and will not be ready for delivery before April 15th.

## Decorative Dahlias

**AMUN RA (o)**—Large blossom on fine stem. A gorgeous shading of copper, orange and gold, deepening in the centre to a reddish bronze. \$1.00.

**AL KORAN (o)**—Yellow, suffused with golden rod and amber. Petals have the marcelle wave which make them very attractive. \$1.50.

**CARMENCITA (o)**—A dwarf grower but always a mass of bloom. Yellow striped red. \$1.50.

**CHAMPAGNE (o)**—This was one of the rare novelties of last season; size large, color fine-dull champagne, varying to chamois. Large massive stem. \$2.50.

**CLARABEL**—Rose purple. 25c each; \$2.50 doz.

**CORA**—A very pleasing shade of crimson red, highly recommended. 35c each; \$3.50 doz.

**DRESSELHUYTS (o)**—A beautiful clear pink variety that is hard to excel for color, and which you will find a very free bloomer. Fine for decorative work. \$1.00.

**EMPEROR (o)**—This is a rare novelty and much in demand—fine stem. Deep maroon purple—a rare color. \$2.00.

**ELDORADO (o)**—An immense blossom of pure gold—a color much in demand. This dahlia stands well out of the foliage on strong, erect stems. One of the best grown. \$3.50.

**ELLEN KELLEY**—Golden yellow. 35c each; \$3.50 doz.

**F. G. SCHIEFF (o)**—An exquisite blending of apricot, orange and yellow. An early and continuous bloomer, producing blooms on exceptionally large stems. \$1.00.

**F. A. WALKER**—Pink. 25c each; \$2.50 doz.

**GRIZZLEY (o)**—A dark red monster and without doubt one of the best in its class. \$1.50.

**JUDGE MAREAN (o)**—A gigantic flower of perfect type. Beautiful color combination—glowing salmon pink, with a touch of watermelon red, exquisitely blending to iridescent orange, yellow and pure gold. Constant bloomer. \$1.00.

**JERSEY'S BEAUTY (o)**—This is certainly a beauty and should be in every garden on account of its wonderful color and stem—in a class by itself—a beautiful pink. \$2.00.

**JUNIOR (o)**—An enormous flower of pure lavender, can easily be grown eleven inches. \$2.50.

**JACK ROSE**—Dark velvety crimson. 25c each; \$2.50 dozen.

**LITTLE JEWEL (o)**—This is one of the daintiest flowers grown and for table decoration cannot be surpassed. A most beautiful pink. This is the only decorative of this type and rarely goes over two inches. A distinct novelty. \$1.00.

**MRS. CARL SALBACH (o)**—A beautiful large bloom of lavender pink. One of the best—always seen on the exhibition table. Massive stem. \$1.00.

**MRS. I. DE VER WARNER (o)**—The queen of the garden—a most charming color of deep mauve pink. True type and very fine form on wonderful stem. This dahlia is in a class by itself. \$1.50.

**MRS. JNO. T. SCHEEPERS (o)**—A wonderful variety. Large flowers, on long, stout stems, clear canary yellow which gradually changes to a beautiful shade of pink suffusion. \$1.50.

**MILLIONAIRE (o)**—An old favorite of a beautiful shade of lavender and white. Flowers have great depth as well as size. \$1.00.

**MYRA VALENTINE (o)**—Golden bronze, or a distinct copper color. Very large bloom on fine long stem. \$1.50.

**MR. CROWLEY (o)**—The exquisite color of this dahlia is most remarkable—a glowing shade of salmon pink—base of petals yellow. Medium size flowers. \$1.00.

**ORA DOW**—Maroon and white. 25c each; \$2.50 doz.

**PAUL MICHAEL (o)**—An immense pure yellow—a sensational bloom. Good for exhibiting. \$1.50.

**PRIDE OF CALIFORNIA (o)**—One of the best reds—large flowers on good stems—always popular. 75c.

**ROSA NELL (o)**—This is worth growing in every garden. Color a clear bright-rose. The enormous blooms are always full to the centre and held erect on long stems. \$1.00.

**SNOWDRIFT (o)**—This giant white deserves its name. A full, deep built flower with broad, waxy petals. \$1.50.

**T. A. LEONARD (o)**—This is a giant with a fine centre and a peculiar petal formation, which is quite original. Color, deep cerise. \$2.00.

**THE BASHFUL GIANT (o)**—Unquestionably one of the largest dahlias in cultivation. Apricot with golden shadings—a worthy acquisition. \$2.00.

**THE GIANTESSE (o)**—This is another in the large bloom class and will always be found on the exhibition table. A wonderful color of amber; fine stems. \$4.00.

**WILHELM MILLER**—Purple. 25c each; \$2.50 doz.

**ZEUS (o)**—This is indeed a wonderful novelty—it is nothing to cut 10-inch blossoms from a bush of this variety. Medium height plant, and a very free bloomer. Glowing shade of red, with each petal distinctly tipped yellow. \$5.00.

## Cactus and Hybrid-Cactus Dahlias

**CIGARETTE (o)**—This is indeed a very fine dahlia with long massive stem. Color pomegranate red, heavily tipped white. \$1.50.

**EUREKA**—Purple. 25c each; \$2.50 doz.

**EARL OF PEMBROKE**—Plum. 25c each; \$2.50 doz.

**GLADYS SHERWOOD (o)**—A beautiful large white, with long petals that resemble white satiny ribbons. \$1.00.

**ISLAM PATROL**—Hybrid Cactus (o)—Dark velvety scarlet, tipped and flushed with gold—a gorgeous variety—always adorns the exhibition table. \$3.50.

**KOH-I-NOOR**—Hybrid Cactus (o)—Maroon, and at times so dark as to be almost black. Petals rolled closely and run to a point. Blooms are large and deep and have a velvety sheen that add greatly to their beauty. \$2.50.

**LIBELLE**—Rose purple. 25c each; \$2.50 doz.

**MARIPOSA (o)**—A perfectly formed Hybrid Cactus, composed of long, narrow incurved petals, which turn and twist in a charming manner; color a beautiful pink shade, produced on long, stiff stems. \$2.50.

**VIOLETTA (o)**—Originated by Mr. Waite. Color, petunia violet. Very large flower which is held on top of stem. A prize-winner. \$2.00.

## Peony Dahlias

**MRS. M. W. CROWELL**—Orange yellow. 35c each; \$3.50 doz.

**MRS. BOWEN TUFTS**—Rose purple. 35c each; \$3.50 doz.

**MRS. VAN BYSTEIN**—Rosy lilac. 35c each; \$3.50 doz.

## Ball or Show Dahlias

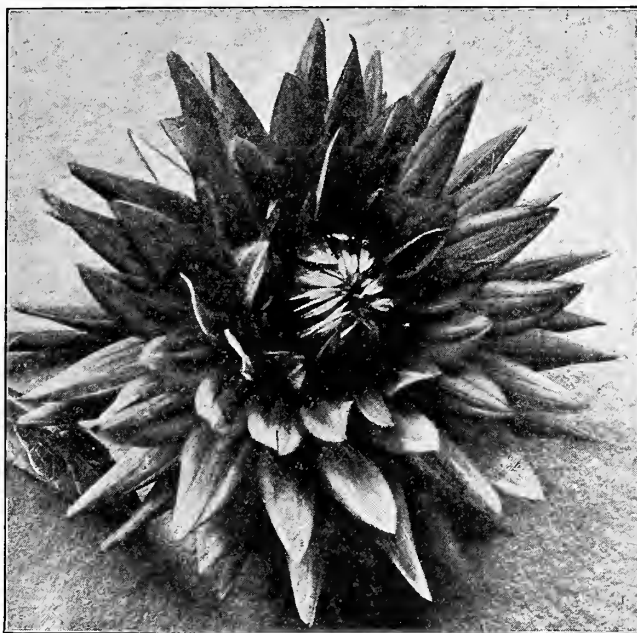
**A. D. LIVONI**—Pink. 25c each; 2.50 doz.

**ARABELLA**—Yellow and pink. 25c each; \$2.50 doz.

**AMERICAN BEAUTY**—Crimson. 35c each; \$3.50 doz.

**DOROTHY PEACOCK**—Large, perfect shaped flowers of a bright sea-shell pink. Early and continuous bloomer. 35c each; \$3.50 doz.

(Dahlias continued on next page)



Cactus Dahlia Mariposa.

**Pompon Dahlias****AMBER QUEEN**—Clear amber. 25c each; \$2.50 doz.

Should you wish any of the recent prize winning varieties—we have them—and can supply them in plants. If you have any variety in mind that you would like to add to your present collection it would be advisable that you consult us before sending out of town, as we have a direct connection with one of the largest growers of exhibition stock.

**Box Collection of Dahlias**

Put up in sets of 8 assorted varieties, unlabeled, embracing a wide range of colors, red, white, pink, yellow, variegated, etc. This collection is sent through Parcel Post to any part of the United States for \$1.00, postpaid.

**M. & S. Choice Paeonies**

Double Paeonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and America, has resulted in the production of many notable fine new varieties. Among hardy, herbaceous perennials, the Chinese Paeonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

**MONSIEUR KRELAGE**—Semi-rose type; late midseason. Deep current red with amaranthine center.

**GERMAINE BIGOT**—Crown type, midseason. Pale lilac-rose with crimson flecks in the center. Broad petals, fairly compact medium height, strong erect stems. Free blooming.

**FESTIVA MAXIMA**—Rose type, early. White, very large, center petals flecked with crimson. Very tall and vigorous.

**EDULIS SUPERBA**—Crown type, very early. Often called the Decoration Day peony. A beautiful bright clear mauve pink with silvery reflex. June rose fragrance.

**LA TENDESSE**—Rose type, early. Milk white, slightly splashed and flecked with carmine. Fragrant, large clustered.

**AUGUSTINE D'HOUE**—Bomb type, midseason. Extremely large, showy, perfectly built bloom. Color very deep, rich, brilliant solferino red, with slight silvery reflex. Indispensable.

All the above 50c each; \$5.00 per doz.

**Fancy-Leaved Caladiums**

Most attractive Ornamental Foliage Plants of easy culture. Will do well out of doors in the open as well as in pots in a half-shaded exposure, with plenty moisture and rich humus containing soil. Also as house plant or for conservatories, or in window boxes between ferns or small palms they give a very beautiful effect.

The following five standard varieties will give utmost satisfaction and are selected by specialist for our particular trade.

**Aglaia**—Silvery white center, blotched blood red, robust grower, very attractive.

**Atrocarmineum**—Deep carmine red, splendid grower, very beautiful.

**Atroseum**—Beautiful satin pink, best gorgeous real pink, very fine variety.

**Candidum**—Pure white with velvety green veins, best light shaded variety.

**Mephisto**—Scarlet center, carmine blotches and veins on velvety green outside border, very showy.

Price on all varieties 25c each; \$2.50 doz. postpaid.

**CALADIUM (Elephant Ear)**

As center pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

Monster Bulbs, 20c each; \$2.00 dozen.

For postage, add 5c each or 25c dozen.



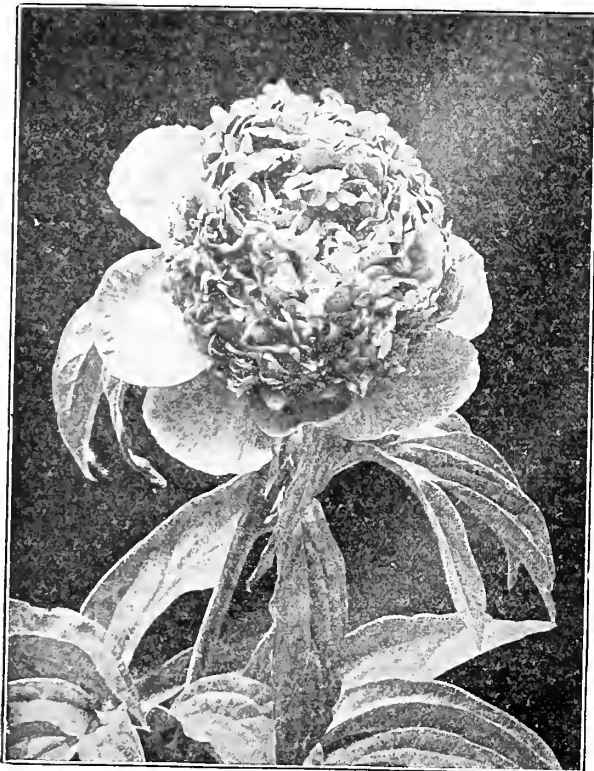
Caladium (Elephant Ear)

**Begonias**

(Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer outdoors about May 1st.

A most charming plant with beautiful foliage. We are offering single and double. Colors red, white, yellow, pink, salmon and mixed colors. Price 25c each; \$2.50 per dozen, postpaid.



Paeony Augustine D'Hour.

**BALL OR SHOW DAHLIAS—Continued**

**GLOBE DE NANTES**—Scarlet. 25c each; \$2.50 doz.

**IMPERIAL**—Purple maroon. 25c each; \$2.50 doz.

**MISS HELEN HOLLIS**—Fiery red. 35c each; \$3.50 doz.

**ROBERT BROOMFIELD**—White. 25c each; \$2.50 doz.

**RED HUSSAR**—Red. 25c each; \$2.50 doz.

**STORM KING**—White. 25c each; \$2.50 doz.

**VIVIAN**—This is another novelty worth growing—white heavily overlaid crushed strawberry. A good bloomer. 25c each; \$2.50. doz.

**Single Varieties Dahlias**

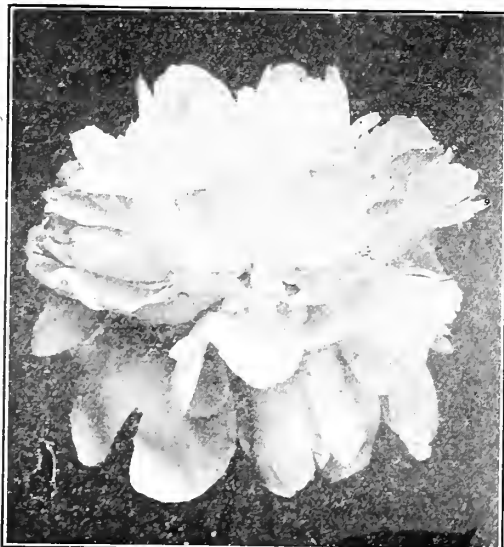
**AUBRIGHT BEAUTY**—White. 25c each; \$2.50 doz.

**ECKFORD CENTURY**—White dotted purple. 25c each; \$2.50 dozen.

**ROSE-PINK CENTURY**—Pink. 25c each; \$2.50 doz.

For postage add 5c each or 25c dozen.

DAHLIAS Continued in next column.



Paeony La Tendresse.



## Everblooming ("Monthly") Roses



Wonderful Orange Yellow Budding Rose Sunburst.

### EVERBLOOMING ROSES — RED SHADES

**AMERICAN BEAUTY**—The most famous of American Roses. Rich color and delicious fragrance. Deep brilliant red, shading to a rich carmine-crimson. Price, 1-yr. 40c each; 2-yr. 75c.

**ETOILE DE FRANCE**—A brilliant shade of velvety crimson. Very striking. Flowers are extremely large on long, but stiff stems—unexcelled for cutting. Price, 1-yr. 25c each; 2-yr. 75c.

**RHEA REID**—"The reddest of red Roses." Extra large; wonderful foliage; strong grower. Price, 25c each; 2-yr. 75c.

**RED LETTER DAY**—An exceedingly beautiful Rose of infinite grace and charm. Its velvety, brilliant, glowing scarlet crimson buds and fully opened cactus-like flowers never fade. 25c each; 2-yr. 65c.

**FRANCIS SCOTT KEY**—Black-grained intense scarlet crimson blooms. Richly perfumed. Francis Scott Key is a Rose that should be planted in every garden. 1-year 30c; 2-year 60c.

**RED RADIANCE**—One of the finest of the cut-flower type. Flowers are brilliant carmine-red, a color of wonderful brightness and charm, and a color that never fades. 1-year 28c; 2-year 70c.

**HOOSIER BEAUTY**—Glowing velvety crimson with darker shadings, making a flower of indescribable beauty. Vigorous and sturdy in growth. 1 yr. 30c each, 3 for 85c; 2 yr. 75c each, 3 for \$2.14.

**AMERICAN LEGION**—"The fragrance surpasses even that of La France." Dark blood-red flowers. An American Rose for American gardens. 1-year 35c; 2-year 90c.

**CRUSADER**—A big strong, robust growing variety, with rich velvety maroon blossoms. Strong stems. Fine for cut-flowers. 1-year 30c; 2-year 75c.

### EVERBLOOMING ROSES — WHITE SHADES

**WHITE MAMAN COCHET**—"The masterpiece of perfection in a Rose." Color, silvery white, with porcelain shadings. Very distinct—flowers enormous size with high pointed center—a model for exhibition purposes. Price, 1-year 25c each; 2-year 75c each.

**KAISERIN AUGUSTA VICTORIA**—The best white Rose in the world. It is a continuous bloomer; shows no center when fully open; color snowy-white. Price, 1-year 25c each; 2-year 75c each.

**BESSIE BROWN**—Blooms are of enormous size, of heavy substance and are perfect in shape, lasting splendidly when cut. Snow white, flushed and tinged with pink. Foliage is well up to the flower. 28c each; 2-year 65c each.

**WHITE OPHELIA**—Large flowers of snowy white, sometimes showing a daybreak pink in center on opening. —Delightfully fragrant. 1 yr. 30c each, 3 for 85c; 2 yr. 80c each, 3 for \$2.28.

**WHITE KILLARNEY**—One of the most exquisite white Roses grown. Strong and upright. Deep bronzy-green foliage. 30c each; 2-year 60c each.

Every lover of roses should have a copy of "The Rose in America." Everything in detail about the American rose and from the American point of view. Price, \$3.00, postpaid.

### EVERBLOOMING ROSES — PINK SHADES

**KILLARNEY**—Remarkable for the size of its intensely fragrant flowers. Brilliant sparkling pink. Price, 1-yr. 25c each; 2-yr. 75c.

**OPHELIA**—Salmon-flesh color, shaded with Rose. Large flowers, long stems, fine for cutting. Price, 1-yr. 30c each; 2-yr. 75c.

**COLUMBIA**—It is a big Rose, the open flower measuring six inches across. Color, true pink, deepening as it opens to a glowing pink. Price, 30c each; 2-yr. 75c.

**MAIDEN BLUSH**—Color, soft rose, shading to yellow. Produces immense blooms on strong stiff stems. Good grower. 25c each; 2-year 65c.

**WELLESLEY**—Beautiful shape of pink; vigorous grower, free flowering. Blooms produced on long stiff stems. 1 yr. 25c each, 3 for 72c; 2 yr. 65c each, 3 for \$1.85.

**PILGRIM**—This new and wonderful Rose is a beautiful shade of rose-pink. Long buds; opens perfectly. 1 yr. 30c each, 3 for 85c; 2 yr. 75c each, 3 for \$2.14.

**PREMIER**—Truly a big Rose that is ideal among the ever-blooming varieties. Large broad-petaled pink blooms. Deliciously fragrant. 1-year 25c; 2-year 65c each.

**LADY ALICE STANLEY**—The blooms are a beautiful shade of coral rose, the inside of the petals, shading to flesh pink, with deeper flushes. 1-year 25c; 2-year 65c.

**JOHN KHEER MOCK**—The flowers are of large size and perfect form, of a deep imperial pink, the outside of the petals rose-white. Highly perfumed. 1-year 25c each; 2-year 60c each.

**RADIANCE**—Pink American Beauty. A lovely rose pink color, sweet scented and free flowering. 1-yr. 28c each; 2-yr. 75c.

**LOS ANGELES**—One of the finest Roses ever introduced. Produces flowers of luminous flame-pink. Highly recommended. 1-year 35c; 2-year 75c; 3-year \$1.50.

### EVERBLOOMING ROSES — YELLOW SHADES

**REV. F. PAGE ROBERTS**—A sensational Rose of late introduction. Color orange-yellow, lighter at edges of the petals. 1 yr. 50c each, 3 for \$1.43; 2 yr. \$1.00 each, 3 for \$2.85.

**SUNBURST**—Very striking flowers of rich yellow, with orange center. Perfect both in bud and bloom. Price, 1-yr. 35c each; 2-yr. 75c.

**LADY MARY WARD**—Color, rich orange, shaded deeper apricot-orange with a decided metallic veining, the greatest novelty color yet seen in Roses. 28c each; 2-year 75c.

**ALEXANDER HILL GRAY**—"Best and largest pure yellow Tea Rose." It is wonderfully productive, every shoot being crowned with a flower bud, which develops into a beautiful straw-yellow bloom. 25c each; 2-year 65c.

**MRS. AARON WARD**—The blooms of this variety are of a most pleasing and attractive shade—Indian-yellow, washed with salmon-gold. "Everybody's Rose." 1-year 25c; 2-year 75c.

**LADY HILLINGDON**—A rich shade of yellow which does not easily fade. 1-year 25c; 2-year 65c each.

**GOLDEN OPHELIA**—A most pleasing tint of salmon-flesh, with golden yellow suffusion. A Rose that is admired by everyone. 1-year 28c; 2-year 75c.

**SOUVENIR DE CLAUDIUS PERNET (Monthly blooming)**—Large flower of a rich butter-yellow, deeper in center. A most vigorous grower. 1-year plants, \$1.00 each, 3 for \$2.85; 2-year, \$1.50 each, 3 for \$3.28.

**AMELIA GUDE (Monthly blooming)**—Beautiful, deep, chrome-yellow with golden orange and golden-yellow shadings. Flowers are perfect in both shape and form and very fragrant. 1-year plants 35c each, 3 for \$1.00; 2-year plants 90c each, 3 for \$2.56; 3-year size \$1.50 each.

**CONSTANCE (Monthly blooming)**—Orange-yellow. Buds long, stems perfect, ideal for cutting. Elegant. 1-year plants 35c each, 3 for \$1.00; 2-year plants 90c each, 3 for \$2.56; 3-year size \$1.50 each.

## M. & S. None Such Collection of Monthly Roses

In this collection are only such kinds as bloom freely.

**BURBANK**—Deep pink.

**MARIE VAN HOUTTE**—Yellow suffused with pink.

**C. SOUPERT**—Pinkish-white.

**BAUMEZ**—Salmon-yellow.

**GRUSS AN TEPLITZ**—Red.

**ETOILE DE LYON**—Yellow.

The 12 in 1-year plants, \$2.00.

**MRS. R. B. CANT**—Rosy-pink.

**THE BRIDE**—White.

**HELEN GOULD**—Crimson.

**MD. F. KRUGER**—Pink, yellow center.

**PAPA GONTIER**—Red.

**SOUV. DE MALMAISON**—Flesh.

The 12 in 2-year plants, \$5.20.

## Special Collection of Roses

S 1—6 Charming Everblooming Roses, all different. 82c.

S 2—2 Tea Roses, 2 Hardy Roses, 2 Climbing Roses. 82c.

S 3—2 Tea Roses, 2 Hardy Roses, 1 Moss Rose. 82c.

S 4—2 Everblooming, 2 Polyantha, 2 Climbing Roses. 82c.

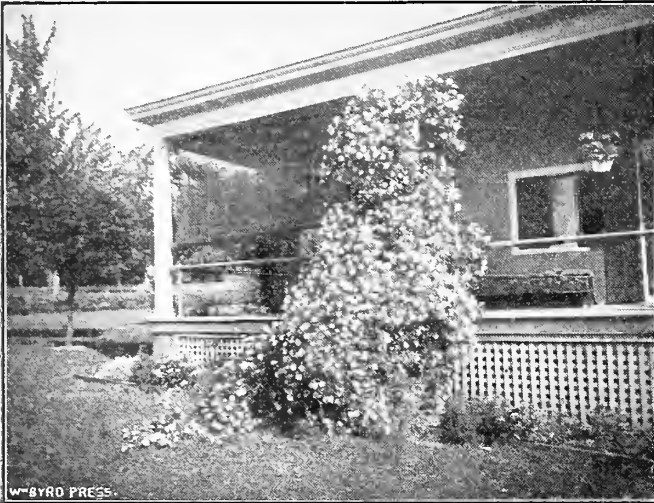
S 16—12 Beautiful Everblooming Roses, splendid varieties. \$1.54.

S 17—4 Charming Tea Roses, 4 Hardy Roses and 2 Climbing Roses, an elegant collection. \$1.54.

S 18—5 Superb Hardy Roses, and 5 Fine Hardy Climbing Roses. A fine hardy outdoor garden. \$1.54.

S 19—10 Lovely Pure White Roses, Fine Cemetery Plants, Tea and Everblooming varieties. \$1.54.





The Greatest Climbing Rose in the World—  
Climbing American Beauty.

## Hardy Climbing Roses

**CLIMBING AMERICAN BEAUTY**—Large glowing red; fragrant; very hardy. True American Beauty in both size and color. Porch or trellis cover. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**EXCELSA**—Bright crimson flowers, in clusters of 20 to 40, almost concealing foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**DOROTHY PERKINS**—A wonderfully fast-growing beautiful shell-pink climber; cluster flowers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**HARDY MARECHAL NIEL**—Excellent hardy, yellow climber. None better. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**BLUE RAMBLER**—Magenta blue in color. A perpetual source of wonder. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**DE. W. VAN FLEET**—"Flowers over four inches across." Color a delicate shade of flesh pink, deepening to rosy-flesh in the center. Stems 12 to 18 inches long. A peer among climbers. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**THOUSAND BEAUTIES**—A single cluster of flowers is a whole bouquet in itself, hence the very fitting name "Thousand Beauties." Color a tender rose showing tints of carmine, white and yellow. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**AMERICAN PILLAR**—Its great mass of bloom fairly covers the bush. Flowers very double. Color is a flaming pink. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**SHOWER OF GOLD (Improved Yellow Rambler)**—Color a deep golden yellow with orange shadings. Beautiful metallic foliage. 1-yr. 30c each; 2-yr. 75c; 3-yr. \$1.00.

**MARY WALLACE**—Rose Pink Hardy Climbing Rose of late introduction; blooms freely in the spring and bears a considerable number of flowers in the fall. The flowers which often exceed 4 inches in diameter are of bright salmon-rose color. 1-yr. plants 45c each; 2-yr. 90c; 3-yr. \$1.75.

**EMILY GRAY**—A new golden-yellow Rambler and a decided improvement on all yellows heretofore offered. Flowers nearly double. 1-yr. 30c each, 3 for 85c; 2-yr. 75c each, 3 for \$2.14.

**JEAN GIRIN**—Form and color similar to pink Dorothy Perkins. After flowering in June, it blooms again. 1-yr. 30c each, 3 for 85c; 2-yr. 75c each, 3 for \$2.14.

**EUGENE JACQUET**—The earliest and most free flowering of the climbers. Flowers cherry-red and very fragrant. 1-yr. 35c each, 3 for \$1.00; 2-yr. 85c each, 3 for \$2.42.

## Cutflower Chrysanthemums

**ROMAN GOLD**—An evenly colored, globular yellow. When well cultivated and cared for, the blooms are from 6 to 8 inches in diameter. Price 25c each, 3 for 75c; \$2.40 per dozen.

**FIRE BALL (Latest Introduction)**—Color, deep blood red. Height, 4 feet. Price, 25c each, 3 for 72c; \$2.40 per dozen.

**CRIMSON TANGLE (Red Ostrich Plume)**—A very striking crimson-red plumed variety. 25c each, 3 for 72c; \$2.40 per doz.

**WHITE OSTRICH PLUME**—Pure white flowers; heavily plumed. 25c each, 3 for 72c; \$2.40 per dozen.

**RICHMOND**—Perfect fullness; silk-like finish; bright golden yellow. A prize winner at the shows. 25c each, 3 for 72c; \$2.40 per dozen.

**MAJOR BONNAFFON**—Soft, clear yellow, full to center, often 8 inches in diameter. 25c each, 3 for 72c; \$2.40 per dozen.

**CHIEFTAIN**—Rose-pink, globular, incurved—everyone likes it. 25c each, 3 for 72c; \$2.40 per dozen.

**WHITE BONNAFFON**—Finest of early white. Large and full. Sometimes tinted pearl. 25c each, 3 for 72c; \$2.40 per dozen.

**YELLOW MISTLETOE**—Lovely light yellow flowers, of good size. Grows anywhere and gives wonderful results with little attention. 25c each, 3 for 72c.

**SPECIAL OFFER**—1 each of above 10 Exhibition Chrysanthemums, postpaid, \$2.10.

## "Hardy June Rose"

The varieties named below represent the class of Roses known as Hybrid Perpetuals or Hardy June Roses. They produce possibly the largest double flowers of all, strongly scented. Generally do not need protection.

**Frau Karl Druschki**—White.

1-yr. 45c ea.; 2-yr. 80c ea.

**Cleo**—Pink. 1-yr. 35c ea.; 2-yr. 75c ea.

**Gloire de Lyonnaise**—Cream.

1-yr. 35c ea.; 2-yr. 80c ea.

**Md. Plantier**—White. 1-yr. 30c

ea.; 2-yr. 75c ea.

**Gen. Jack**—Crimson. 1-yr. 30c ea.; 2-yr. 80c ea.

**Mrs. John Lang**—Pink. 1-yr. 35c ea.; 2-yr. 80c ea.

**Black Prince**—Maroon. 1-yr. 30c each; 2-yr. 80c ea.

**Gloire de Bruxelles**—Crimson-maroon. 1-yr. 35c ea.; 2-yr. 80c ea.

## M. & S. Hardy Climbing Rose Offer

The varieties named below are the choice in the hardy sorts for trellises, porches, fences and so forth, all good vigorous growers.

**SHOWER OF GOLD**—Yellow.

**ROSARY**—Cerise pink.

**RED DOROTHY PERKINS (Excelsa)**—Crimson maroon.

**WHITE DOROTHY PERKINS**—Pure white.

**PINK DOROTHY PERKINS**—Shell-pink, very popular.

**THE BLUE ROSE**—Violet-blue.

**SPECIAL OFFER** { The six in one-year plants \$1.10.  
The six in two-year plants \$2.30.  
The six in 3-year size plants, \$5.75.

## M. & S. Hardy Everblooming Climbing Tea Rose Offer

The varieties in this collection give you Climbing Roses which are summer-blooming and which flower over a longer season than June Roses. Require winter protection in northern states.

**CLIMBING KAISERIN**—Ivory white.

**CLIMBING METEOR**—Velvety red.

**CLIMBING TESTOUT**—Delicate pink.

**CLIMBING MARIE GUILLOT**—White.

**CLIMBING PILLAR OF GOLD**—Yellow, flushed carmine.

**CLIMBING PINK COCHET**—Imperial pink.

**SPECIAL OFFER**—The six in one-year plants, \$1.00.

The six in two-year plants, \$2.30.

## Hardy Old-Fashioned Chrysanthemums

The Hardy Chrysanthemum gives us the most attractive outdoor fall flower. It is now universally planted; growing anywhere and producing wonderful results with little attention. It is a plant without equal, either in solid beds, mixed borders or planted against foundations.

**HOMESTEAD**—Strong shade of pink. Has no equal for size. 28c.

**EXCELSIOR**—Deep yellow flowers borne in clusters. 20c.

**WHITE DOTY**—Pure milk white; has no equal. Large flowers and plenty of them. Strong healthy growth. 25c each, 3 for 72c.

**BRIGHT EYES**—Outer petals orange apricot. Each flower has a bright eye. Beautiful and attractive. 25c each, 3 for 72c.

**AUTUMN GLOW**—Coppery bronze with red tint. 25c.

**INDIAN**—Soft red flowers of good size. None better. 26c.

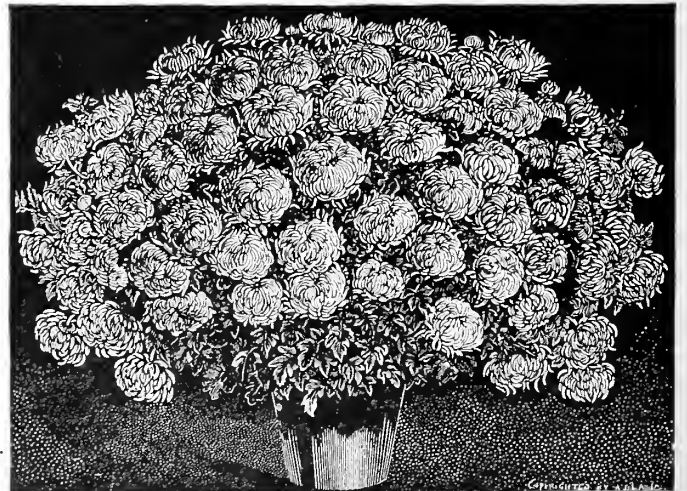
**WESTERN BEAUTY**—Rich shade of orange-yellow; new. 20c.

**MRS. WAITS**—Wine red, fine color, large flower.

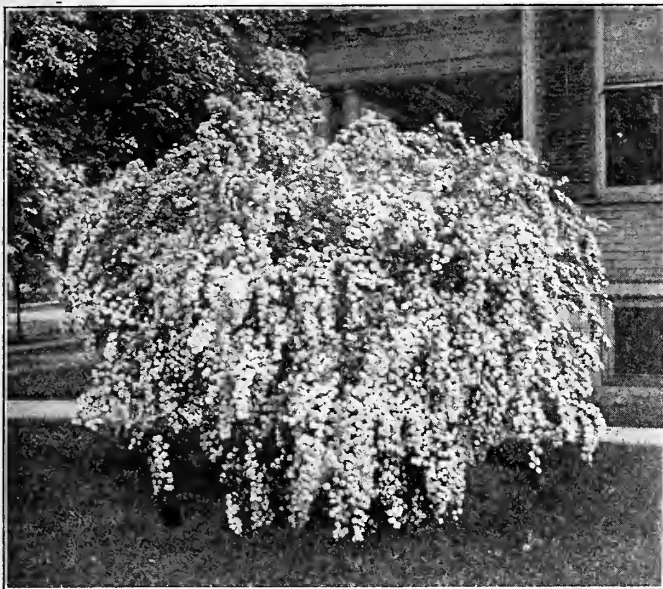
**FIRESTONE**—Light chrome yellow, a popular variety.

**TINTS OF GOLD**—Reddish bronze, one of the best.

**SPECIAL OFFER**—Any three of the Hardy Chrysanthemums listed above, 68c; any five, \$1.10; all ten above, \$1.82.



Cutflower Chrysanthemum, Roman Gold.



The Most Popular Shrub in the World—Spirea Van Houttei.

## Popular Hardy Shrubs

**HYDRANGEA PANICULATA**—Height from 4 to 8 feet; perfectly hardy in all parts of the country. White flowers, turning to pink, borne on immense pyramidal panicles nearly a foot in length from July until November. Price, strong plants, 45c each; larger plants, 75c each; extra large plants, \$1.00 and \$1.50 each.

**BRIDAL WREATH** (Spirea Van Houttei)—Beautiful foliage at all times and a fountain of arching snow-white blooms during May and June. Very popular. 35c each; 3 for \$1.00; \$3.50 per dozen; larger plants 60c; extra heavy plants \$1.00 and \$1.50 each.

**COMMON SNOWBALL BUSH**—An old-time favorite. Pure white flowers in dense clusters which look like balls of snow; very attractive. Large plants, 65c and \$1.00 each.

**GOLDEN BELLS** (Forsythia Fortunei)—The first shrub to bloom in the spring, the pendant golden bells appearing before the leaves. 45c each; large plants, 75c each.

**ALBA SNOWBERRY**—Grows 3 to 5 feet. Flowers pure white or pinkish. Berries white, produced in clusters. Field grown: Strong plants, 40c each; 3 for \$1.10; large plants 75c each.

**CORAL BERRY** (Indian Currant)—Red or purplish berries. Bright green leaves, tinged reddish purple. Flowers greenish red; all summer. Berries early in autumn. Large plants, 50c each; 3 for \$1.43; \$4.80 per doz. Extra large plants, 75c each; 3 for \$2.14; \$7.20 per doz.

**DEUTZIA CRENATA ROSEA PLENA**—Beautiful pink flowers.

**DEUTZIA PRIDE OF ROCHESTER**—White, double flowers.

Prices: Any Variety, 45c each; large plants, 75c.

**ALTHEA BOULE DE FEU**—The prettiest double red; commendable. Strong plants, 50c each; 3 for \$1.43.

**ALTHEA JEAN DE ARC**—The pure white Althea, double; for cemetery. Strong plants, 50c each; 3 for \$1.43.

**ALTHEA CERULEAN BLUE**—Double blue; extra fine. Strong plants, 50c each; 3 for \$1.43.

**MOCK ORANGE** (Philadelphus)—An old favorite. Flowers cup-shaped, very fragrant, pure white. 45c each; large plants, 65c.

**SWEET-SCENTED SHRUB**—The flowers when fully open are about the size of a silver dollar, of a mahogany brown color. Strawberry-scented. Should be in every planting. Price, strong plants, 50c each; 3 for \$1.43. Extra large plants, \$1.00 each.

**YARD PLANTING OFFER**—One each of the following seven Shrubs: Bridal Wreath, Weigela Rosea, Summer Lilac (Buddleia), Snowball, Spirea Billardi, Hydrangea Paniculata, Althea. These seven Shrubs will give a succession of flowers from April until frost, flowering in the order named. 7 for \$1.43; larger plants, by express, 7 for \$3.42.

**WEIGELA ROSEA**—One of the most conspicuous shrubs that we cultivate; flowers pink, dwarf, adapted to lawns or gardens. 50c each; 3 for \$1.43; large plants, \$1.00 each.

**GOLDEN ELDER**—Golden foliage, blossoms and fruit like common elder. Fruit is prized for pies and wine. 50c each; 3 for \$1.43; large plants, \$1.00 each.

**SPIREA ANTHONY WATERER**—Begins to bear flat clusters of rosy-red flowers early in spring and continues in bloom until late in autumn. 60c each; 3 for \$1.70.

**PURPLE LILAC**—An old-time favorite that will always remain popular. Flowers fragrant. 65c each; 3 for \$1.85.

**WHITE LILAC**—Identical with the purple variety excepting that the flowers are white. 65c each; 3 for \$1.85.

**PUSSY WILLOW**—A beautiful symmetrical shrub well known, growing easily anywhere. Branches are cut in January or February together with Golden Bells and similar early flowering shrubs and are brought indoors to unfold their flowers in a vessel of water. Nice plants, 40c each. Stronger plants, 80c; \$1.25 and \$1.75.

**WEIGELA EVA RATHKE**—Flowers deep carmine red, produced in great profusion. Very attractive. 50c each. Larger plants, 75c each.

**SPIREA THUNBERGII**—Dense, feathery bush, foliage changing to bright red. Flowers pure white. Nice plants, 45c each. Larger plants, 75c each.

**JAPAN QUINCE**—Among our choicest shrubs. Produces large, brilliant scarlet flowers. Among the first to bloom. Nice plants, 60c each.

**HYDRANGEA ARBORESCENS**—Blossoms large, pure snow-white. Blooms from early in June through August. 30c ea., 3 for 85c, 12 for \$2.78. Larger plants, 50c ea., 3 for \$1.40, 12 for \$4.80. Larger plants, 75c ea., 3 for \$2.14, 12 for \$7.20. Strong field-grown plants, \$1.00.

**PHILADELPHUS VIRGINAL**—A wonderful new sweet-scented shrub. Produces large double crested sweet-scented flowers. 50c ea., 3 for \$1.40, 12 for \$4.80. Large plants, 75c ea., 3 for \$2.14, 12 for \$7.20. Extra large plants, \$1.00 ea.

**YELLOW TWIGGED DOGWOOD**—Its yellow branches make it very effective in all shrub planting. 45c ea., 3 for \$1.28, 12 for \$4.32. Extra large plants, 75c ea., 3 for \$2.14, 12 for \$7.20.

**TAMARIX**—Fine feathery foliage. Delicate pink flowers. Fine for background of shrubs. 40c ea., 3 for \$1.14, 12 for \$3.84. Extra large plants, 75c ea., 3 for \$2.14, 12 for \$7.20.

**PINK BUSH HONEYSUCKLE**—Beautiful pink blossoms. Very attractive. Blooms in May and June. 40c ea., 3 for \$1.14, 12 for \$3.84. Field grown plants by express, 75c ea., 3 for \$2.14, 12 for \$7.20.

**CREPE MYRTLE**—Blooms in profusion during the late summer. Pink. \$1.50.

## Hardy Vines for Trellises, Etc.

**BOSTON IVY**—Most popular climbing plant for brick or stone walls, buildings, trees, fences, etc. Clings to smoothest surfaces. 25c; \$2.40 per dozen. Two-year plants, 45c; 3 for \$1.28. Three-year plants, 90c each; 3 for \$2.50.

**SWEET-SCENTED CLEMATIS PANICULATA**—Most satisfactory climbing flowering plant, strong, rapid growth, dense, cheerful green foliage. Flowers in great profusion, creamy white color, very fragrant. 25c; 2-year, 40c; 3 for \$1.14.

**HARDY PURPLE WISTARIA**—Vigorous, strong-growing vine, lovely, rich violet-blue flowers, deliciously sweet. 50c; 3 for \$1.25. Heavy field plants, \$1.25 each.

**HARDY WHITE WISTARIA**—Flowers pure white; strongly scented flowers, 35c; \$3.36 per dozen. Heavy field plants, \$1.25; \$12.00 per dozen.

**EVERGREEN SWEET-SCENTED HONEYSUCKLE**—Purplish evergreen foliage. Flowers whitening yellow, sweetly fragrant. 25c. Extra strong, 45c; 3 for \$1.28.

**HARDY SWEET PEA PINK BEAUTY**—Pure pink, quite popular. 50c.

**HARDY SWEET PEA CRIMSON KING**—Crimson-red flowers, tall grower. 50c.

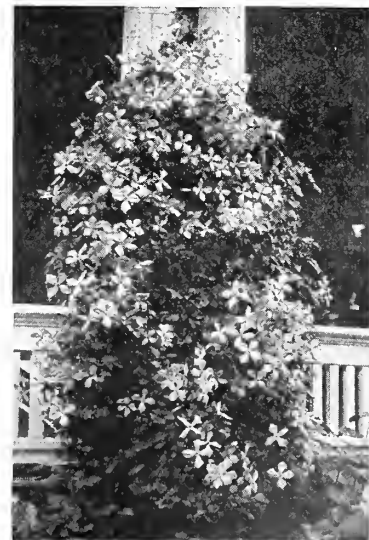
**HARDY SWEET PEA WHITE PEARL**—Pure white. Blooms entire summer. 50c.

**SPECIAL**—1 each of above varieties of Sweet Peas, \$1.25.

**CLEMATIS COCCINEA**—A very handsome, hardy climber, bearing highly fragrant, bell-shaped, purplish-red or scarlet flowers from June until frost. Price, strong plants, 50c each.

**HARDY JAPANESE KUDZU VINE** (Pueraria Thumbergiana), "Jack and the Bean Stalk" Vine—A vine that will grow anywhere in the best or poorest soil. Remarkable and rapid, often making a growth of 50 to 75 feet in one season. Fragrant purple flowers; invaluable for covering porches, etc. Strong, 1-year plants, 40c each; 3 for 85c. Large 2-year plants, 75c each; 3 for \$2.00.

**MADERIA VINE**—Heart shaped leaves, feathery flowers, delicious fragrance. Here is what you want if a quick growth is desired. Roots, 12c; 3 for 34c; per doz. \$1.15.



Purplish Red Clematis Coccinea.

## Hardy Garden Plants PERENNIALS



Foxglove or  
Digitalis.

**BABY'S BREATH** (*Gypsophila*)—Hardy. A mass of minute pure white flowers. Very dainty. 30c each.

**ACHILLEA** (Cemetery Plant)—Snow-white flowers produced in large sprays. Fine for cemetery planting. Hardy. 25c each.

**CAMPANULA** (Canterbury Bells)—Hardy. Flower from May until September. Cup-shaped flowers. Colors: Blue, pink, crimson and white. 25c each; 3 for 72c.

**SWEET WILLIAM**—Hardy. Beautifully marked blooms of extremely rich and varied colors. 25c each; 3 for 72c.

**FOXGLOVE** (*Digitalis*)—Hardy. Bears humble-shaped flowers on large spikes. Always satisfactory. 25c each.

**LONG SPURRED COLUMBINE** (*Aquilegia*)—Hardy. Graceful flowers, freely produced on long stems. We offer an extra fine long spurred strain. Mixed colors only. 25c each; 3 for 72c.

**DOUBLE HOLLYHOCKS**—Hardy. Straight towering spikes, a mass of waxy flowers. Select from colors: White, maroon, pink, red and yellow. 25c each; 3 for 72c; \$2.70 per dozen.

**DELPHINIUM** (Gold Medal Hybrids)—Hardy. The most attractive bold and meritorious flower we have. The immense spikes of brilliant shades of blue produce the most striking effect in the flower garden. 35c each; \$3.36 per dozen.

**GIANT HARDY PRIMEOSE**—Immense trusses of large flowers from purest white, yellow and orange to crimson. 35c each.

**SHASTA DAISY**—Hardy. Pure white with gold center petals very long and center soft and velvety. 24c each.

**HARDY ORIENTAL POPPY**—Enormous large flaming red flowers. Striking. 40c each; 3 for \$1.00.

**DOUBLE GOLDEN GLOW**—Hardy. Grows 8 feet high. Exquisite double blossoms of brightest golden-yellow, as large as Cactus Dahlias. 25c each.

**PYRETHRUM**—Daisy-like flowers in pure white, all shades of pink and crimson red. Hardy. 30c ea., 3 for 85c.

**ANEMONE PINK**—Delicate pink blooms on long graceful stems. One of most beautiful hardy perennials. 50c ea., 3 for \$1.43.

**LEMON LILY**—Clear yellow, lily-shaped blooms. An excellent hardy perennial for beautifying home garden. 40c ea., 3 for \$1.14.

**VARIEGATED DAY LILY**—Broad, heavy foliage, purple flowers. Attractive in the border. 32c each.

**HARDY CARNATION CRIMSON KING**—Blooms all summer; never a day that you cannot cut blossoms. Color rich crimson; fragrant. 40c ea., 3 for \$1.14.

**IRIS**—Easiest of all plants to grow. A bed of five wonderful varieties, mixed colors, for 75c.

**HARDY ORIENTAL PINK POPPY**—Very large, showy flowers. Apricot pink conspicuously blotched crimson. 75c ea., 3 for \$2.14.

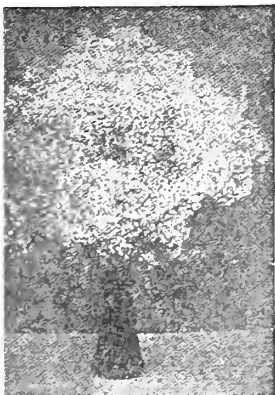
**CHINESE LANTERN PLANT** (*Physalis Francheti*)—An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. The most useful of all the everlasting. For Halloween, Thanksgiving and Christmas decorations. 25c ea.; \$2.50 per doz.

**HARDY AGERATUM**—Light blue flowers. Blooms from August to frost. 18 inches high. 24c each; 3 for 68c; \$2.10 per dozen.

**GAILLARDIA** (*Grandiflora*)—Flowers with brownish red center, orange petals. Blooms from June to November. 25c each; 3 for 70c.

**FORGET-ME-NOT**—Flowers a light blue. Grows well in shady, moist location. 24c each; 3 for 57c.

**MOSS PINK**—Moss-like evergreen foliage with bright rose-colored flowers. 28c each; 3 for 63c; 12 for \$2.10.



Gypsophila Paniculata.

## Hardy Garden Phlox

Flower heads often measure from 7 to 9 inches across, borne from early summer until frost. They grow vigorously—increasing in size from year to year, and make very attractive plantings along walks or in clusters. Price, any of following varieties, 35c each; 3 for \$1.00; \$3.60 per dozen.

**BRIDESMAID**—Massive white heads having a large crimson-carmine center. One of the most attractive of the varieties.

**PANTHEON**—A variety being medium in height. Color bright salmon-pink, with lighter shadings and dark crimson eye.

**VON LASSBURG**—Purest white in cultivation. Largest of whites.

**R. P. STRUTHERS**—Rosy carmine with claret-red eye.

**INDIAN CHIEF**—Clear purple red; rich shade. Fine for rockeries.

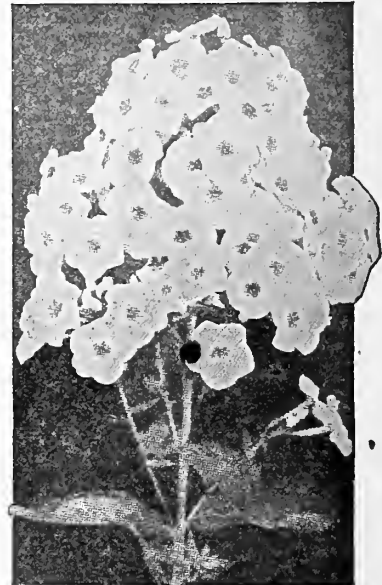
**MISS LINGARD**—The favorite white flowering variety, coming into bloom early in May, flowering throughout the season.

**OBERGARTNER WIT-TIG**—The color of this attractive Phlox is bright magenta, with crimson-carmine eye.

**ATHIS**—Lively shade of deep pink, and a light halo around its analine-red eye.

**VON HOCHBERG**—The best of all dark colored Phlox. Color solid rich velvety crimson.

**LOTHAIR**—Bright crimson.



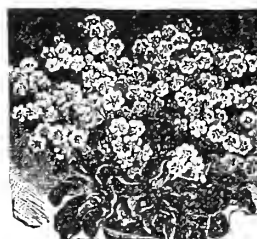
Hardy Phlox Pantheon.

## Hardy Hedges

**NEW RED BARBERRY**—Rich, lustrous, bronzy red foliage, changing in fall to vivid orange, scarlet and red. Similar to green leaved variety but more brilliant and effective. All that is required to develop its brilliant coloring at all seasons is that it be planted in full exposure to the sun. \$1.00 each; 6 for \$5.00; 12 for \$9.00.

**JAPAN BARBERRY**—Valuable as specimen plants or for hedges. Drooping yellow flowers followed by bright red berries. Foliage changes to fiery crimson in autumn. This variety, unlike the common Barberry does not harbor wheat rust and is entirely harmless to grain crops. 25c each; 3 for 72c; 12 for \$2.40; \$10.00 per 100. Large size, 35c each; 3 for \$1.00; \$3.50 per dozen; \$17.50 per 100.

**CALIFORNIA PRIVET**—Cheaper than fences, far more beautiful. The most popular ornamental hedge plant. Price, by express. 18-inch 2-year-old plants, 75c doz., \$6.00 per 100. (25 and 50 at 100 rate.) Hedge plants are set 6 inches apart, viz.: a 50-foot hedge requires 100 plants.



Hardy Forget-Me-Not.

**LUPINE**—Flowers deep blue on long spikes. Blooms in May and June. 30c each; 3 for 85c; \$2.88 per dozen.

**RED HOT POKER** (*Tritoma*)—Grows in sunny location. Large spikes of orange flowers. 30c each; 3 for 85c. Larger plants, 60c. Extra large plants, \$1.25.

**HARDY CANDYTUFT**—Evergreen foliage with pure white flowers. Eight to ten inches high. 28c each; 3 for 63c; 12 for \$2.10.

**LIATRIS**—Rich purple flowers on long narrow spikes. Very odd. 32c each; 3 for 90c.

**MERTENSIA**—Drooping clusters of light blue flowers. Blooms in early spring. 26c each; 3 for 74c; \$2.50 per dozen.

**HARDY HIBISCUS**—Plants four feet high, blooms six inches wide, colors white, pink and crimson. 38c each; 3 for \$1.08.

**VERONICA** (*Speedwell*)—Bright blue flowers on long spikes. Blooms entire summer and fall. 24c each; 3 for 68c; 12 for \$2.30.

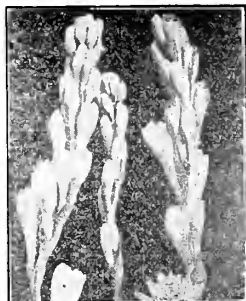


Hardy Sweet William.



## NURSERY DEPARTMENT

### Mammoth Size Double Pearl Tuberoses



Tuberose

**Culture**—One of the most fragrant and popular of the summer flowering bulbs. May be started early in hotbeds or pots or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are superb bloomers. Soaking them over night in lukewarm water promotes rapid growth 5c each; 50c dozen; \$3.25 per 100, postpaid (for postage add 5c each or 25c dozen).

### Hardy Japanese Garden Lilies

No garden should be without some of these Queens of Flowers. They are perfectly hardy and can be planted in the late fall or early spring. Very seldom they are ready for delivery before early part of December. Plant 6 to 8 inches deep, in sour soil, putting a little sand under the bulbs and dusting them with powdered sulphur and some lime, will insure success.

**AUREATUM (Goldbanded Lily)**—Large, graceful flowers, composed of six petals of a delicate ivory-white, thickly studded with chocolate-crimson spots and striped through the center by a golden yellow band. 35c each; \$3.50 per dozen.



Japanese Lily, Auratum.

stance, with a greenish band running through the center of each petal. 40c each; \$4.50 per dozen.

**SPECIOSUM RUBRUM, or ROSEUM**—White, heavily spotted with rich, rosy-crimson spots. 40c each; \$4.50 per dozen.

**TIGRINUM SPLENDENS (Improved Tiger Lily)**—The grandest of the Tigers. Very large pyramids of flowers, orange red, spotted with black, 3 to 5 feet high. Blooms in August. 25c each; \$2.50 per dozen.

**TIGRINUM FLORA PLENA (Double Tiger Lily)**—Double bright orange-red flowers spotted with black. Blooms in August. 30c each; \$3.00 per doz.

**HENRYI (The Yellow Speciosum)**—A new rare and very beautiful Lily from China. It is very hardy, a strong healthy grower, and without doubt one of the best Lilies for garden culture and most effective for massing. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each, the color, a rich apricot-yellow, lightly spotted with brown, and the shape and size of the flowers and the habit of growth has suggested the name "Yellow Speciosum." 40c ea.; \$4.50 per doz.

**SPECIOSUM ALBUM**—Large white flowers of great substance.

### Cinnamon Vines

**Perfectly Hardy**—Grow in sun or shade, wet or dry, indoors or out. No insects or blight ever troubles. No winter harms. Their abundant blossoms perfume the air for a long distance. No words can describe their delicious fragrance.

**For Windows**—Plant two on each side. For porches, walks, etc., plant the tubers 8 inches or a foot apart, cover 2 inches. Furnish twine support for the vines.

**EXTRA LARGE**—2-year old, will make enormous vines in a few weeks. 10c each; \$1.00 dozen, postpaid.

### Strawberries

**Extra Early Varieties**—Charles I and Premier.  
**Second Early Varieties**—Senator Dunlap and Dr. Burill.  
**Medium Late Varieties**—Eun Special, Eaton, Gibson and Wm. Belt.

**Very Late Varieties**—Aroma, Brandywine and Pearl.  
Price on any of the above: 50c doz; 75c for 25; \$1.25 for 50; 100, \$1.75, all postpaid. 1,000, \$10.00 at our store or express collect at customer's station.

**Everbearing Varieties**—Champion and Progressive. 75c doz.; \$1.00 for 25; \$1.75 for 50; \$3.00 per 100, all postpaid. 1,000, \$17.50 at our store or express collect at customer's station.

### Shade and Ornamental Trees

**Catalpa Bungei (Umbrella Tree)**—5 to 6 ft., \$4.50.  
**Dog Wood (White)**—5 to 6 ft., \$3.50.  
**Dog Wood (Red)**—2 to 3 ft., \$4.00.  
**Elm, American**—8 to 10 ft., \$2.50.  
**Flowering Crab Bechtels**—4 to 5 ft., \$3.00.  
**Judas Tree**—4 to 5 ft., \$2.00.  
**Maple, Norway**—8 to 10 ft., \$4.00.  
**Maple, Red**—8 to 10 ft., \$4.00.  
**Maple, Silver**—8 to 10 ft., \$2.50.  
**Maple, Sugar**—8 to 10 ft., \$3.50.  
**Maple, Japan Blood Leaf**—12 to 18 ft., \$5.00.  
**Magnolia, Pink**—3 ft., \$3.50.  
**Oak, Pin**—8 to 10 ft., \$3.50.  
**Oriental Plane**—7 to 8 ft., \$1.75.  
**Peach, Double Flowering**—4 to 5 ft., \$2.00.  
**Poplar, Carolina and Lombardy**—8 to 10 ft. each, \$1.50.  
**Poplar, Tulip**—8 to 10 ft., \$3.00.  
**Sweet Gum**—8 to 10 ft., \$3.00.  
**Willow, Golden and Weeping**—8 to 10 ft., \$2.50.

### SELECTION OF M. & S. EVERGREENS

Arborvitae American, Firs, Balsam and Nordmans. Junipers, Irish and Japanese. Pine, White, Scotch and Austrian. Retinosporas, Plumosa and Plumosa Aurca. Squarosa Veitchii, Spruce, Norway, Colorado Blue, Yew, Drupacea and Fortunis Boxwood. Small trees from \$1.50 to \$2.50. Larger trees, price as to size and variety.

### Nut Trees

**Almonds, Hard and Soft Shell**—4 to 5 ft., \$1.50.  
**Walnut, American Black**—8 to 10 ft., \$2.50.  
**Walnut, Japan**—10 to 12 ft., \$3.50.

### Plums

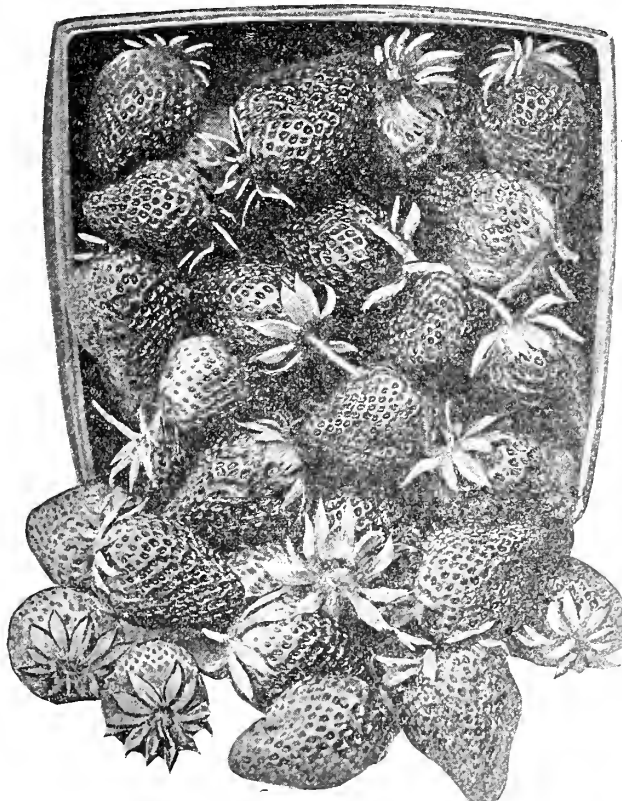
**Abundance**—Amber, turning to cherry color. Ripens in Aug.  
**Burbank**—Orange-yellow, overlaid with red.  
**Red June (Japan)**—Vermillion-red; flesh light lemon-yellow.  
**Sultan**—Very large in size, deep purplish-crimson in color.  
**Wickson**—Dark crimson-purple. An excellent keeper.  
**Wild Goose**—Large, rich, crimson; productive and profitable.  
**Extra Strong Trees**, 5 to 6 feet high, \$1.50 each.

### Gooseberries, Blackberries, and Currants

**Gooseberries, Downing Green and Houghton Pale Red**—50c each; \$4.50 dozen.

**CULTIVATED BLACKBERRIES**—Popular varieties, 25c each; \$2.00 dozen.

**Currants, Black Naples, Cherry, Bright Red, Fay's Prolific, Dark Red and White Grape**, 50c each; \$4.50 doz.





## TREE SPRAYING, TRIMMING, ETC.

Write for Prices on Larger Quantities.

We are now in position to estimate on and execute work like ornamental tree work, tree surgery, pruning, spraying for insects and fungi diseases, cavity treatment by filling with sectional cement, the treatment of split and weak crotches and limbs by bolting and chains, and cultural treatment.

Sent via Express or Freight Only.

## Grape Vines

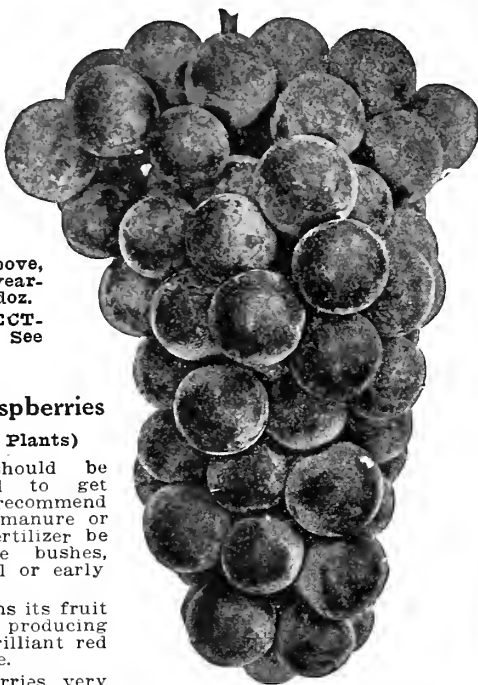
**BLACK**—Concord, King, Champion, Early Daisy, Wilder Worden.

**WHITE**—Niagara, Diamond, Triumph, Jessica, Naomi.

**RED**—Catawba, Caco, Jefferson, Iona.

Any of the above, 50c each. Two-year-old stock, \$5.00 doz.

**GRAPE PROTECTING BAGS**—See Page 61.



Caco Grape—The Best Red.

## Cultivated Raspberries

(Extra Strong Plants)

Raspberries should be carefully staked to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the Fall or early Spring.

**Brilliant**—Ripens its fruit early and fast producing bright, glossy, brilliant red berries, handsome.

**Cuthbert**—Berries very large, measuring 3 inches around; conical; rich crimson.

**Columbian**—Fruit very large, often an inch in diameter; color dark red, bordering on purple.

**St. Regis**—Everbearing Raspberries. They yield their first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

All the above—25c each; \$2.00 dozen.

## Apricots, Nectarines, Peaches, and Quince

Trees such as we furnish will often bear the year after they have been set out.



**Crawford's Early**—Yellow, with fine red cheek.

**Crawford's Late**—Greenish-yellow, with dull red cheek.

**Elberta**—Large, yellow, with red cheek; medium early.

**Mountain Rose**—White, with red cheek; early; freestone.

**Oldmixon Free**—White, covered with bright red.

**Extra Strong Trees**, 5 to 6 feet high, \$1.00 each.

**Apricots**—4 to 5 feet, \$1.50.

**Nectarines**—5 to 6 feet, \$1.25.

**Quince**—5 to 6 feet, \$1.50.

**To HAVE FRUIT TREES IN PERFECT CONDITION, SPRAY 3 TO 4 TIMES EACH YEAR.**

## Standard Pears

**Bartlett**—Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly.

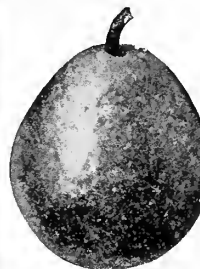
**Flemish Beauty**—Large, beautiful, juicy, melting; good bearer.

**Howell**—Large, light, waxy yellow, with a fine, red cheek; handsome, rich, aromatic flavor. An early and profuse bearer.

**Keiffer**—While not of the best quality, properly ripened it is the very best for canning and preserving.

**Lawrence**—Fruit medium, canary-yellow, sweet, good keeper.  
**Le Conte**—Very large, greenish-yellow, handsome; juicy. Early.  
**Rossney**—A large variety of rare merit; ripening in September.  
**Worden-Seckel**—A seedling of the Seckel. Equal in quality to its famous parent, but larger; fruit keeps well.

Any of the above extra strong trees, 5 to 6 feet high, \$1.75 each.  
**Dwarf Pears**—3½ to 4½ feet, \$1.50.



## Apples

**Baldwin**—Large, roundish; deep bright red; very productive; handsome fruit.

**Ben Davis**—Large, handsome, striped; productive; a late keeper.

**Grimes' Golden (Grimes' Golden Pippin)**—Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive.

**Maiden's Blush**—Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant flavor.

**Wine Sap**—Medium size, dark red; of rich flavor, very productive; late.

**Red Astrachan**—Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive.

**Rhode Island Greening**—Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer.

**Smokehouse**—Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish; very productive.

**Crab Apples.**

Any of the above in 5 to 6 ft. trees, \$1.25 each, \$12.00 dozen.



## Cherries

**Black Tartarian Cherry**—Very large, purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July.

**Governor Wood**—Yellow; Florence, Red; English Murillo, red tart.

5 to 6 ft. trees, \$1.75.

## Garden Guide

A complete Handbook for the Amateur Gardener  
Fourth Edition

384 pages and over 275 teaching illustrations with beautiful cover in four colors.

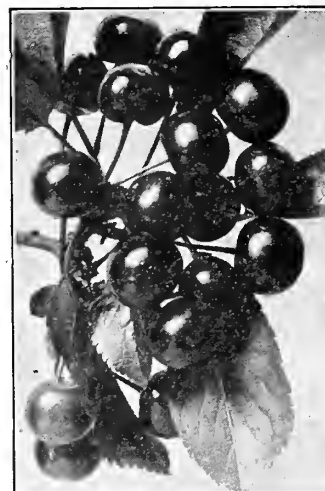
Covers every step from spading the ground to preserving the harvest.

Price, cloth bound, \$1.50; postpaid, \$1.65.

Paper bound, \$1.00; postpaid, \$1.10.

Books on Gardening, Fruit Growing, Landscaping, etc.

Complete circular sent on request.



Do not neglect to feed the plants in your garden; fruit trees, berries, etc., as well. **WIZARD BRAND SHEEP MANURE** is the ideal food, and it will also add the much needed Humus to your soil.

All Prices Subject to Change.

LIQUIDS AND POISONS CANNOT BE MAILED.

All Prices Subject to Change.

READ THIS TABLE AND SELECT PROPER DUST TO BUY.

Pest to Control	Dust to Use. Niagara Garden Police.	
	Flowers & Shrubs	Vegetables
Insects and worms which actually eat portions of the plant: beetles, worms, caterpillars, etc. External Chewing Insects.	No. 1 Entodust. 1 lb. 40c.	No. 1 Entodust.
Insects which suck out the plant juice: aphids (plant lice), plant flies. For fumigating greenhouses and conservatories. Sucking Insects.	No. 2 A-1 Dust. 1 lb. 60c.	No. 2 A-1 Dust.
Diseases: Many mildews, blights, fungus troubles.	No. 4 Pomodust. 1 lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.25	No. 3 D-6 Dust. 1 lb. 45c.
Diseases: Many mildews, blights, fungus troubles, and to kill worms, caterpillars, beetles, chewing insects (a combination dust).	No. 4 Pomodust. 35c lb.	No. 5 D-20 Dust. 1 lb. 50c
A good dust to use to keep up general good health, prevent disease and attacks of Insect Pests.	No. 6 All-in-One Dust. 60c lb.	Niagara Hand Duster, \$1.25. Parcel Post, \$1.35

**ARSENATE OF LEAD** (Sherwin Williams)—Direction for using in each package. 1 lb. 30c; 4 lbs. \$1.00; 100 lbs. \$20.00.

**ARSENATE OF CALCIUM**—1 lb. 30c; 4 lb. \$1.00; 100 lb. \$15.00.

**ARSENATE OF ZINC**—1 lb. 30c; 4 lbs. \$1.00; 100 lbs. \$22.00.

**APHINE**—For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. ½ pt. 40c; pt. 65c; qt. \$1.00; gal. \$3.00.

**ANT FOOD** (McGregors)—An amazing discovery for killing ants, cockroaches, wood lice, snails and certain other insects. ½-lb. can 50c; 1-lb. can \$1.00; 5 lbs. \$4.75; 10 lbs. \$9.00; 25 lbs. \$21.85; 50 lbs. \$42.50; 100 lbs. \$80.00.

**ANSECT** (Rose Bug Destroyer)—Dilute one part in 30 parts of water. Do not spray in bright sunlight. Gal. \$6.00; ½ gal. \$3.25; qts. \$1.75; pts. \$1.00; 4 oz. 30c.

**ATOMIC SULPHUR**—1 lb. 30c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$3.25; 50 lbs. \$5.00; 100 lbs. \$9.00.

**BEE BRAND INSECT POWDER**—Kills all kind of bugs. Can be used in garden and house, on poultry and animal, etc. Pkg. 15c, 35c and 70c, postpaid. Duster for same, 15c.

**BORDO FUNGI** (Same as Bordeaux Mixture) (Sherwin Williams)—Full direction with each package. 1 lb. 35c; 4 lbs. \$1.00; 100 lbs. \$15.00.

**BLACK FLAG INSECT POWDER**—Best for all kind of insect pest in house and garden; three sizes. 15c, 35c, 75c, postpaid.

**BLACK LEAF** 40—Per 1 oz. bottle 35c; \$1.25 per ½ lb.; 2 lbs. \$3.50; \$13.50 per 10 lbs.

**BUG DEATH**—Used on potatoes, cucumbers, squash and currants, powerful insecticide. Per lb. 20c; 3 lbs. 40c; 5 lbs. 60c; 12½ lbs. \$1.40; 100 lbs. \$9.00.

**CARBON DISULPHIDE**—For insects which attack roots of trees, grapes, etc. Also good against moles. 75c per 1-lb. bottle.

**DRY LIME SULPHUR** (Sherwin Williams)—Full directions with each package. 1 lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.55; 25 lbs. \$3.75; 50 lbs. \$6.50; 100 lbs. \$11.50.

**DRY TOMIC**—Same as Atomic Sulphur, but in powder form. 4 lbs. 60c; 8 lbs. \$1.10; 200-lb. barrel, \$26.50.

**FISH OIL SOAP**—30c per lb.; 5 lbs. \$1.25; 25 lbs. \$4.75; 100 lbs. \$15.00.

**FORMALDEHYDE**—A valuable solution for the farmer, best thing for dipping potatoes to prevent scab, invaluable for killing weevil in grain, fine as a household disinfectant (Liquid). Price, 1 lb. bottles, 65c; 5 lb. bottles, \$2.25; 9 lb. bottles, \$3.25.

**GRAPE DUST**—For mildew and blight. Per 5 lbs. 75c.

**HELLEBORE**—Per ¼ lb. 25c; 40c per ½ lb.; 1 lb. 70c; \$3.00 per 5 lbs.

**KAYLOX**—Is an insecticide and fungicide combined in powder form, it mixes readily with water, is very effective against all leaf eating insects.

½ Pound ..... \$0.30 5 Pounds ..... \$2.50  
1 Pound ..... .55 10 Pounds ..... 4.50

**KAYSO**—A combined casein spreader and adhesive to be added to spraying material. 2 lbs. 50c; 10 lbs. \$2.10; 50 lbs. \$9.50; 100 lbs. \$18.00.

**LEMON OIL INSECTICIDE**—Per ½ pt. 35c; 60c per pt.; qt. \$1.00; \$1.75 per ½ gal.; gal. \$3.00; \$12.00 per 5 gal.; 10 gal. \$22.50.

**LIME SULPHUR** (Liquid)—1 qt. 40c; 1 gal. \$1.00; 5 gals. \$3.00; 10 gals. \$5.00; 50 gals. \$12.00.



**MELROSINE**—An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 oz. 50c; \$1.00 per pt.; qt. \$1.75; \$3.25 per ½ gal.; per gal. \$6.00.

**NICO-FUME** (Liquid)—¼ lb. 75c; \$2.25 per lb.; 4 lbs. \$8.00; 8 lbs. \$15.00.

**NICO-FUME TOBACCO PAPER**—Per box 24 sheets, \$1.25; \$5.50 per 144 sheets; 288 sheets, \$10.00.

**NICOFUME TOBACCO POWDER**—1 lb. \$1.25; 5 lbs. \$4.75; 10 lbs. \$8.50.

**PARA DICHLOROBENZENE** or **CRYSTAL GAS**—Controls peach borers, use in June and September, 1 oz. to each tree. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50; 50 lbs. \$14.00.

**PARIS GREEN** (Sherwin Williams)—Per ¼ lb. 15c; 4 lbs. pkg. \$1.50; 14 lbs. kits \$4.50. Price subject to change.

**PESTROY** (Sherwin Williams)—A combination spray for fruits and vegetables, a mixture of Arsenate of Lead and Bordeaux, very effective, full direction with each package. ½ lb. 25c; 1 lb. 40c; 4 lbs. \$1.25; 100 lbs. \$20.00.

**PYROX**—Kills bugs, prevents blights and rots, and improves foliage. Ideal for the home gardener and truck farmer. Use Pyrox especially for potatoes, other vegetables, small fruits and rose bushes. 1 pound makes 4 to 5 gallons of spray; 11 pounds will spray an acre of potatoes once. 1 pound jar 50c; 5 pound drum \$1.75; 10 pound drum \$3.00; 25 pound drum \$6.25; 50 pound pail \$10.75; 100 pound drum \$17.00; 300 pound barrel \$48.00.

**ROACH POWDER** (Germo)—Powerful and effective, eliminates roaches, waterbugs and other insect pest. ¼ lb. 25c; ½ lb. 50c; postpaid, 30c and 60c.

**SCALECIDE**—Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 15 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Qt. 75c; gal. \$1.75; 5 gals. \$6.25; 10 gals. \$10.60; 15 gals. \$13.50; 30 gals. \$26.00; 50 gals. \$38.00.

**SULFOCIDE**—A better summer spray. A concentrated liquid sulfur fungicide. Controls scab, brown rot, blight, mildew and rust on vegetables and fruit. Dilute 1-200. 1 pt. 70c; 1 qt. \$1.00; 1 gal. \$2.75; 5 gals. \$8.75; 10 gals. \$15.00; 30 gals. \$39.00; 50 gals. \$60.00.

**SULPHUR CANDLES**—15c each; per doz. \$1.50.

**SULPHUR** (Flowers)—Per lb. 15c; 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.25; 100 lbs. \$6.00.

**SULPHO TOBACCO SOAP**—Destroys insects on plants and animals. Pkt. 15c and 25c; 1 lb. 40c, postpaid.

**THANATUS**—For all soft-bodied insects. ½ pt. 35c; 1 pt. 60c; qt. \$1.00; gal. \$3.50.

**TOBACCO DUST** (Special Dusting or Fumigating)—10c per lb.; 5 lbs. 30c; 20 lbs. \$1.00; 100 lbs. \$4.50.

**TOBACCO STEMS**—Per lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**TREE TANGLEFOOT**—Per lb. 60c; \$2.75 per 5-lb. can; 10 lbs. \$5.25; 25 lbs. \$11.00.

**TREE WOUND PAINT**—Qt. 85c; gal. \$2.50.

**VOLCK** is one of the most powerful insecticides known. Kills Aphids, Red Spider, Mealy Bug, Scale, Caterpillars and most all insects, and prevents mildew and rust. Volck does not burn; it is safe to use. Highly recommended to florists. Send for special circular. Price, ½ pt. 50c; 1 pt. 75c; 1 qt. \$1.00—all three postpaid. 1 gal. \$2.75, postpaid \$3.00.

**VERMINE**—For eel, cut worms and wire worms, working in the soil. It can be applied to all vegetation. ½ pt. 40c; pt. 65c; qt. \$1.00; gal. \$3.00.

**WEED KILLER**—SEE PAGE 54.

## WHY BUGS LEAVE HOME



**WILSON'S O. K. PLANT SPRAY**—For 20 years the leading insecticide of America, for inside and outside spraying. For aphids, thrip, mealy bug, scale, rose bugs and many other insects. The only insecticide recommended by the officers of the Garden Club of America.

### Prices

½ pint .....	\$ .40
1 quart .....	1.00
1 gallon .....	3.00
5 gallons .....	12.00
10 gallons .....	20.00
25 gallons .....	50.00
50 gallons .....	90.00



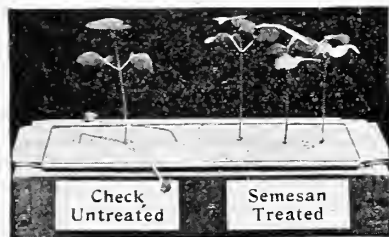
# Controls "BROWN PATCH", "DAMPING-OFF" and SEED-BORNE DISEASES of

Grains, Field and Forage Crops, Vegetables,  
Corn, Potatoes and Flowers

## Better Flowers and Finer Vegetables Grow from Seeds Disinfected Against Diseases with Semesan

**T**HE SEMESAN Disinfectants have revolutionized seed disease treatment and represent the most remarkable advancement of the century in scientific agriculture. Trained observers testify that they not only successfully control seed, plant and soil diseases, but also exert a stimulatory effect upon the growth of seedlings and plants with a consequent increase in yield and improvement in quality of the crops.

**SEMESAN**—The only chemical which can be applied in either the liquid or convenient dust forms to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, bulbs and seed pieces, as well as many of those which infest the soils. Semesan is harmless to seed and plant life but thoroughly sterilizes practically all kinds of seed pieces against the disease germs or fungous spores that adhere to the seed coats or exist internally. It is easily applied, requires no laboratory equipment and is safe for the user to handle.



Semesan-Treated Cotton Seedlings Resist "Damping-Off"

Among the important diseases which Semesan prevents or controls are "Damping-Off" of seedlings or cuttings, and "Brown Patch" of grass lawns and golf greens. Semesan will also effectively disinfect against the common corn and potato diseases but for large quantities of seed corn we recommend Semesan Jr. and, for large plantings of potatoes, Semesan Bel. Semesan is just as effective for flower and nursery seeds or plants as for cleaning the disease organisms from field, forage, grain and vegetable seeds. Ask for Vegetable, Flower, Nursery, "Damping-Off," and "Brown Patch" Booklets.

**DU PONT SEMESAN** is endorsed by the U. S. Department of Agriculture and the Green Section of the U. S. Golf Association as the best disinfectant and fungicide for the prevention and cure of "Brown Patch."

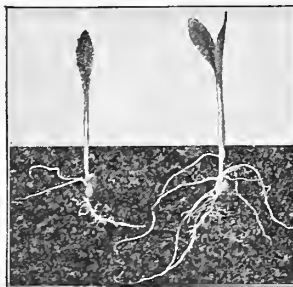
Semesan has been successfully used during the past two years for the perfect maintenance of many of America's finest golf courses and estate turfs. It is favored by prominent greenkeepers and golf course architects. We can make immediate shipments.

A booklet that completely describes the nature of "Brown Patch" and its prevention or cure will be sent on request.

**SEMESAN JR.**—Field and sweet corn crops throughout the United States annually suffer an average reduction of 10% because of disease attacks and in individual cases the loss reaches 50% or more. Dust treatment with Semesan Jr. is the most effective means of preventing and controlling such common corn diseases as the ear, root and stalk roots.

Semesan Jr. is easily applied to corn seed by the convenient dusting method. It increases germination; promotes both the root and foliage development of the seedlings; resists attacks of soil-borne organisms and commonly enlarges crop yields by 20% to over 40%.

The illustration shows two field corn seedlings nine days after planting in the same box. The seed of the right-hand one had been disinfected with Semesan Jr., while the other was untreated. Notice the vastly superior root system, sturdier stalk and larger leaves, resulting from the Semesan Jr. treatment, which will continue to be apparent in the harvest results. Ask for special Semesan Jr. pamphlet describing crop results and method of application.



Semesan Jr. Produces Better Corn Seedlings

**SEMESAN BEL.**—This is the new instantaneous dip treatment for both white and sweet potatoes that is fast replacing all formerly practised methods of disinfection. Semesan Bel is also equally useful for the disease treatment of similar roots and tubers of other vegetables and flowers. It is quickly applied as a whitewash-like dip to either whole or cut seed pieces and not only preserves and does not harm the seeds, but actually promotes sprouting, repels soil-borne organisms, influences earlier maturity, increases yields from 25 to over 50 bushels per acre and effectively controls the common seed-borne diseases.

Commercial results in the greatest potato growing districts of the United States, such as Maine, Idaho, Kansas, Texas, Florida and New Jersey, proves that Semesan Bel is far superior to mercuric bichloride, copper sulfate and formaldehyde in ease and simplicity of application as well as effectiveness for controlling practically all of the common potato infections. Moreover, it exerts a stimulatory effect upon the plant growth by removing the disease handicaps and repelling the attacks of soil-borne organisms so that yields are greatly increased. Ask for Semesan Bel booklet.



Harvesting Semesan Bel-Treated Potatoes in Idaho

### PRICES FOR SEMESAN DISINFECTANTS

The Semesan Disinfectants are regularly packed in the following sizes:

Prices for Du Pont Semesan	
2 ozs. ....	\$ .50
8 ozs. ....	1.60
1 lb. ....	2.75
5 lbs. ....	13.00
25 lbs. ....	37.50
25 lbs. ....	72.50
50 lbs. ....	122.50
100 lbs. ....	240.00
350 lbs. ....	822.50

Prices for Jr. and Bel	
1 lb. ....	\$1.75
5 lbs. ....	8.00
25 lbs. ....	37.50
50 lbs. ....	72.50
100 lbs. ....	140.00
350 lbs. ....	472.50

Semesan Jr. is also packed in four-ounce tins, the price of which is 60c each.

### SHIPMENTS OF SEMESAN DISINFECTANTS

Under the existing Postal Regulations, the Semesan Disinfectants are classified as poisonous substances and are therefore excluded from the mails. Shipments of them can be made only by express or freight.

Colgate, Md., Dec. 24, 1926.

Gentlemen:—

The Semesan that I purchased from you in the spring gave me wonderful results. I was always troubled with maggots getting into the stalk of stringless beans and injuring my crops, but I find by treating the seed with Semesan you can not only control this pest but you will get stronger vines and more beans.

Semesan was also a help to me on onions which I planted in the fall for green onions. It stopped them from dying off, which was caused by this same maggot that attacked the beans. Would also say that it helped the germination of all my garden seeds.

Yours truly,

FRED. ENDRESS.

Baltimore, Md., Dec. 22, 1926.

The Meyer Seed Co.,

32 Light St., Baltimore, Md.

Gentlemen:—

It is with great pleasure that I inform you that all of the vegetable seeds and flower seeds which I purchased from you last year turned out wonderfully well. The results were exceptional.

Again I thank you for the valuable advice which you so freely gave.

Very truly yours,

FRED. H. JACKSON.

DU PONT SEMESAN SEED DISINFECTANTS MEET PRACTICALLY EVERY NEED. ASK FOR BOOKLETS

# CYANOGENAS

REG. U.S. PAT. OFF.

## FOR KILLING RODENT and INSECT PESTS

Cyanogas Calcium Cyanide is a slate-gray material that gives off hydrocyanic acid gas upon exposure to the air. This makes it extremely easy to apply. The gas is deadly to the rodent and insect pests and will kill them almost immediately. None can escape it. There is no danger to persons handling Cyanogas if reasonable care is used. Can be had in 1-lb., 5-lb. and 25-lb. tins; or in 100-lb. drums.



### Cyanogas A—Dust

#### For RATS and MICE:

Pump dust in open rat hole with Cyanogas duster. Plug all holes from which dust is seen to emerge. Continue pumping until reasonably sure that the dust has permeated the rat warrens. Remove duster nozzle and block hole. Treat next open hole in same manner. Continue until all holes have been plugged.

#### For WOODCHUCKS (GROUNDHOGS):

Place heaping tablespoonful of Cyanogas A-Dust in the burrow and close carefully.

#### For MOLES:

Poke holes in mole runway at intervals of four or five feet with a pointed stick and pour about two teaspoonfuls of Cyanogas into the runway, closing the hole after. Cyanogas can also be pumped into the mole runway with a duster—this is the better method.

#### For GARDEN ANTS:

Place a pinch of Cyanogas A-Dust in the opening of the ant nest sufficient to close. A pencil or pointed stick may be used to enlarge the opening.

#### For FLEAS, in Yards and Open Buildings:

Stir up ground with rake. Scatter material with a sifter top can at rate of  $\frac{1}{2}$  pound to 100 square feet.

#### For CHICKEN MITES (in Chicken Houses):

Scatter material with sifter top can in nests, where mites breed. Chickens must be kept out of house for five or six hours while fumigant is at work. House must then be thoroughly ventilated before allowing chickens back in.

#### For SPARROWS, STARLINGS and PIGEONS:

Dust roosting area with Cyanogas duster when birds are at roost.

#### For BEES WITH FOUL BROOD:

Place two teaspoonfuls in the hives.

#### For ORCHARD DUSTING:

For control of rosy apple aphid and apple leafhopper. Mix Cyanogas A-Dust with an equal amount of sulphur dust and dust trees on calm warm days.

### ENCLOSED SPACE FUMIGATION:

For Fleas, Wax Moths, Bed Bugs, Clothes Moths and Cockroaches. Spread over floors on dry newspapers, one-eighth inch thick. Apply at rate of two pounds to each 1000 cubic feet of space. Allow fumigation to continue from 12 to 24 hours. Close house or building securely. Post warnings. Ventilate building thoroughly before entering after fumigation. Damp newspapers may be placed around the room, but not in contact with the dust to hasten liberation of the gas, if additional moisture is needed. Humans must not be permitted to enter any part of the building which is being fumigated. Cyanogas must not be used for fumigating except where the work is performed by or under the supervision of professional or licensed fumigators.

### Cyanogas G—Fumigant

#### For GREENHOUSE FUMIGATION:

Send for special leaflet on "GREENHOUSE FUMIGATION WITH CYANOGENAS." Unusually effective. Greenhousemen using Cyanogas report saving of from 75 to 90 per cent on their fumigating costs and 100 per cent kill of aphid. A five-pound tin will fumigate 520,000 cubic feet at a cost of \$2.50 plus a slight additional charge for express shipment. Sprinkle at rate of  $\frac{1}{4}$  ounce per 1000 cubic feet and close house for the night. Temperature 55 to 70 degrees F.

### Cyanogas Dusters

Two general types of Cyanogas Dusters for rodent control. Special hand duster for small infestations, and Foot Pump, small, for large infestations. Used especially for rats and moles.

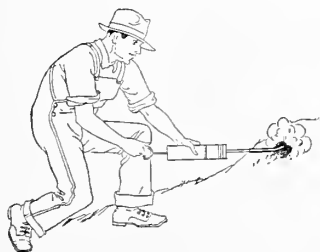
Prices—Special Hand Duster, \$1.40; Foot Pump, small, \$4.75. These two types of duster are shown below.

#### PRICES OF CYANOGENAS

"A" and "G" Dust—1 lb. 60c; 5 lbs. \$2.50; 25 lbs. \$8.50; 100 lbs. \$25.00.

#### NOT MAILABLE

Give Freight or Express Station When Ordering.







# Add Beauty to Your Home

**Velvety Lawns  
Luxuriant Shrubs**

**Beautiful Flowers  
Better Vegetables**

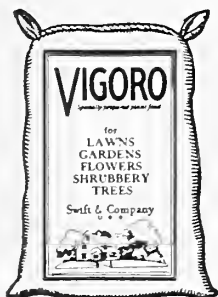
Now you can have the velvety lawn you have always wanted.  
Beautiful, bright-colored flowers and luxuriant shrubs.  
Tender, crisp and delicious flavored vegetables will be yours—  
If you apply

## VIGORO

*Specially prepared plant food*

A Swift & Company Product

This scientifically prepared plantfood furnishes to plants proper nourishment to produce maximum growth and beauty.



ODORLESS, WEEDLESS, DUSTLESS	
5-pound Can .....	\$ .50
25-pound Bag .....	1.75
50-pound Bag .....	3.00
100-pound Bag .....	5.00

Packed in paper-lined cotton bags.

If to go by parcel post, add postage.



All prices on Fertilizers are  
subject to market Changes.

## FERTILIZERS AND PLANT FOODS

Agents for  
OBERS FERTILIZERS

**ADCO**—Don't waste garden rubbish. Turn it into manure with ADCO. ADCO is a powder which, mixed with almost any non-woody vegetable waste, and kept wet, gradually converts it into manure. 50 lbs. of ADCO make a ton of manure. Price, 150 lbs. \$10.50; 25 lbs. \$2.00.

**ASPARAGUS SALT**—Applied in spring 600 to 800 lbs. per acre. for destroying weeds. 56 lb. \$1.25; original sack, 140 lbs. \$2.25.

**ALUMINUM SULPHATE** (For Rhododendrons and Azaleas). 1 lb. 15c; 2 lbs. 25c; 5 lbs. 60c; \$6.25 per 100 lbs.

**BLOOD (DRIED)**—For indoor and outdoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. Fine for ferns. 1 lb. 15c; 5 lbs. 60c; \$1.00 per 10 lbs.; 25 lbs. \$2.00; \$3.75 per 50 lbs.; 100 lbs. \$7.00; \$12.00 per 200 lbs.

**BON-ARBOR**, the Ideal Food and Tonic for Household Plants and Home Flower and Vegetable Gardens—Clean, Safe, Odorless, Effective. It is immediately soluble in cold water, therefore all the properties are available to plant life from the moment of application.

1/4-lb. pkg., making 15 gals., postpaid, 35c  
1-lb. pkg., making 30 gals., postpaid, 60c  
5-lb. pkg., making 150 gals., postpaid, \$2.50



**PURE BONE MEAL** (3-50)—Splendid article for building up worn-out soil, lawns, etc. 1 lb. 6c; 10 lbs. 50c; 25 lbs. \$1.25; 100 lbs. \$3.25; 167-lb. bag \$4.75; ton \$46.00. Quick acting.

**RAW BONE MEAL** (4 1/2-48)—Free from acid. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for greenhouses or any purpose where a high-class slow acting fertilizer counts. 1 lb. 6c; 10 lbs. 50c; 25 lbs. \$1.25; 100 lbs. \$3.50; 167 lbs. \$5.00; ton, \$50.00. Slow acting.

**BONE FLOUR**—Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs. 50c; 10 lbs. 85c; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5.00; 200 lbs. \$8.50.

**CALCIUM NITRATE**—A new product which has as much nitrogen to the 100 lb. as Nitrate of Soda, and in addition has 25 per cent of lime. (Special circular and price in quantities on request.) 1 lb. 15c; 5 lbs. 50c.



"F. & I." is a remarkable plant food with combined fertilizing and insecticidal properties. Its beneficial effect on growing plants is simply astonishing. Prices: 2000 lbs. \$40.00; 500 lbs. \$11.00; 100 lbs. \$2.50; 50 lbs. \$1.50; 25 lbs. \$1.00; 10 lbs. 45c; 5 lbs. 25c.

**INSECTICIZER**—A quick action fertilizer and insecticide. Healthier plants result from its use. 5 lbs. 30c; 25 lbs. \$1.25; 100 lbs. \$3.00; ton \$55.00.

**FLEURETTE**—A Liquid Plant Food. Makes strong and rapid growth. To be diluted with water as per directions. 1/2 pt. 30c; 1 pt. 50c; 1 qt. 90c; gal. \$3.00. Not malleable.

**LAND PLASTER**—Intensifies the color of roses, other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1,000 to 1,500 lbs. per acre. 40c for 10 lbs.; 25 lbs. 60c; \$1.00 for 50 lbs.; 100 lbs. \$1.75; \$2.50 for 200 lbs.

**LIME (Hydrated or Powdered)**—Promotes growth and gives the grass a rich color. Apply one ton per acre on fields, or 1/2 ton on lawns. 5 lbs. 20c; 10 lbs. 30c; 50 lbs. \$1.00; 100 lbs. \$1.75; 500 lbs. \$6.25; 1,000 lbs. \$11.50. Ton prices on application.

**MURIATE OF POTASH**—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent actual potash. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

**NITRATE OF SODA**—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb. 15c; 50c per 5 lbs.. Price on larger quantities on application.

**OBERS'S SOL. AMM. SUPER PHOS. OF LIME 2-8-2**—For potatoes and general crop. Ton, \$31.00; bag, \$3.75.

**OBERS'S SPECIAL COMPOUND FOR TOBACCO 3-8-3**—Ton, \$35.00; 167-lb. bag, \$4.75.

**OBERS'S FARMERS' MIXTURE FERTILIZER 1-9-2**—To be highly recommended for potatoes and vegetables. 167-lb. bag \$3.50; ton \$27.50.

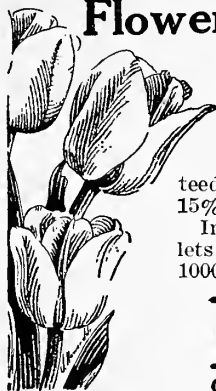
**OBERS'S STARKEY TRUCK COMPOUND 4-8-5**—The highest grade we have to offer. \$40.75 per ton; 167-lb. bag, \$4.50.

**OBERS'S SPECIAL PLANT FOOD 2-9-5**—The best fertilizer for general truck farming, such as cabbage, lettuce, spinach, etc. 1 lb. 6c; 25 lb. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.25; 167-lb. bag, \$4.50; ton, \$34.00.

**SULPHATE OF AMMONIA**—2-lb. pkgs. 35c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.00; 50 lbs. \$3.00; 100 lbs. \$5.00; 200 lbs. \$9.50; 1,000 lbs. \$46.50; 2,000 lbs. \$90.00.

**SULPHATE OF POTASH**—Fine for roses. 15c per lb.; 2 lbs. 25c; 5 lbs. 50c.

## New Way to Grow Vegetables, Flowers and Potted Plants!



If you feed your potted plants, flowers and vegetables on Plantabbs each week or ten days they'll grow lots better than any fertilizer will make them grow. Plantabbs are a complete food in odorless tablet form—guaranteed to contain 11% nitrogen (ammonia), 15% phosphoric acid and 20% potash.

Include in your next order. Price: 30 tablets 25c; 65 tablets 50c; 150 tablets \$1.00; 1000 tablets \$3.50.

## FULTON'S Plantabbs

ODORLESS PLANT FOOD TABLETS

**PEAT MOSS GRANULATED**—Ideal for mulching azaleas and rhododendrons. 1 pk. 35c; 1/2 bu. 60c; 1 bu. \$1.00. Weight about 14 lbs. per bu. Large bales containing about 5 or 6 bushels, \$4.50. Same article in lump form, which requires more labor to spread, \$3.50 per bale.

**SPRINGFIELD ROSE FOOD**—An organic fertilizer, containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. Prices: 10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$5.00.

## STIM-U-PLANT

An All-the-Year Fertilizer for Garden and House Plants. Prices: Trial size, 15c; small size, 25c; 100 tablets, 75c; 1,000, \$3.50. Postpaid.

**PHOSPHATE, HIGH-GRADE ACID TENNESSEE OR SOUTH CAROLINA ROCK**—16 per cent. Apply 1,000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. Price, \$17.50 per ton; 167-lb. bag, \$2.50.

**PREPARED FIBRE**—Grow your House Bulbs without soil, drainage or saucers. Highly recommended. 1 qt. 10c; 4 qts. 25c; pk. 40c; bu. \$1.15. Parcel post weight, 14 lbs. per bushel.

**STERILIZED HUMUS (Leaf Mold)**—Fine for lawns, replanting and retopping. 4c lb.; 10 lb. 35c; 50 lb. \$1.50; 100 lb. \$2.50; 500 lb. \$10.00; 1,000 lb. \$18.50, last four sizes delivered. Ton and car load prices on application.

**SUMMERS SPECIALLY PREPARED FERTILIZER** for lawns, flowers, roses, shrubbery, trees, etc. Used and recommended by both State and Government—A pure organic mixture, and distributed all over the eastern portion of the U. S. A. Prices, 25 lbs. \$2.25; 50 lbs. \$3.50; 100 lbs. \$5.50; 200 lbs. \$10.00.

**TOBACCO STEMS**—For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**WHITE ROSE PLANT FOOD** is scientifically prepared by experts after exhaustive study and experiment. The ingredients are of such a nature that the plant is supplied with food during all stages of its growth. Packed in the following sizes: 1-lb. pkg. 25c; 5-lb. pkg. 75c; 10-lb. pkg. \$1.25; 25-lb. bag \$2.50; 50-lb. bag \$4.00; 100-lb. bag \$6.50. If wanted by parcel post, include postage.

**WOOD ASHES (Canadian Unleached Hardwood Ashes)**—High in potash. Excellent for roses, grass, etc. Apply in early spring or late fall. 1,000 lbs. to acre. 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.50.

## Lincoln Wren House



This attractive Log Cabin is made of wood tinted a soft brown color that attracts the wrens. It is equal in appearance and service of houses selling from \$2.50 to \$7.00. And yet because we ship it to you knocked down—in a form that any child can easily put together we are able to offer it at the attractive price quoted below. The demand for an attractive house is ever present, and the Wren is the popular bird around the grounds as its song is melodious and flute-like and their ways are very amusing. They destroy large numbers of obnoxious insects. Price, \$1.00, postpaid.

**BLUEBIRD, MARTEN or WOOD PECKER HOUSE**—\$1.50, postpaid.

**CLAY WREN HOUSES**—15c. If to go by parcel post, add 10c.



Fig. 2



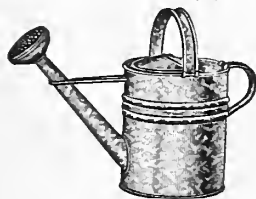
Fig. 3

No. 28—Straight neck. See Figure 2. \$1.00. Parcel Post weight, 1 lb.

## No. 65 Bottle Sprayer

Adapted to Home Purposes

Made of brass valves, nozzle throws a fine mist spray, is provided with cork and fits any ordinary quart bottle. Nickel plated, of fine appearance. Excellent for spraying disinfectants in homes, schools and hospitals and for plants or spraying flowers. Height: 12½ inches. Price, \$1.25, Postpaid \$1.35.



### WATERING CANS

Made of heavy galvanized iron, removable rose. 4 qt. 65c; 6 qt. 75c; 8 qt. 90c; 10 qt. \$1.00; 12 qt. \$1.25; 16 qt. \$1.50.

### LONG SPOUT WATERING CANS

Equipped with two copper faced roses.

one fine, one coarse, with each can. Can shaped round, made of heavy galvanized iron.

Same as above with oval can and handle in opposite direction.

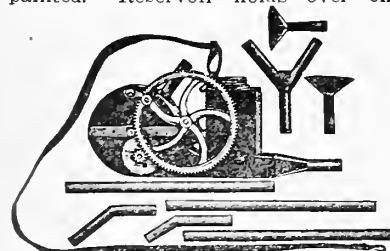
8 qt. .... \$5.00  
10 qt. .... 5.50  
12 qt. .... 6.00



4 quart ..... \$3.50  
6 quart ..... 3.85  
8 quart ..... 4.15  
10 quart ..... 4.45  
12 quart ..... 4.90  
16 quart ..... 5.40

## No. 17 Dry Powder Duster

Used extensively for dusting Paris Green, Arsenate of Lead, Arsenate of Calcium, Pomo Dust, all in one, etc. Made of heavy tin, nicely painted. Reservoir holds over one quart of



powder, or four pounds of Paris Green. The spray is blown out by a fan, operated with gear wheels, which are machine cut and therefore run smooth and easy. An agitator provides a constant flow of powder, with a gauge for regulating the amount of powder to be used. Will cover two rows at will of operator. Can also be used for tree spraying by connecting tubes. Full instructions accompany each duster. Weight, empty, 5 lbs. Shipping weight 10 lbs. Price, \$11.00.

## Savage Dry Powder Duster

Similar to above, but has several improvements. Feed lever can be adjusted from 1 to 20 pounds per acre, which is a wonderful improvement over any duster made. Weight—Empty, 9½ lbs. Shipping weight, 14 lbs. Hopper—Capacity, 7 to 10 lbs. of poison, depending on density.

Full directions for operating with each Duster. Price, \$20.00. Send for special descriptive circular.

# ATLAS NON-POISONOUS WEED KILLER

PATENTED

1 qt. 75c; 2 qts. \$1.25; 1 gal. \$2.00; 5 gals. \$8.00; 30-gal. drum \$37.50; 50-gal. \$55.00.

## M. & S. SPRAYING APPARATUS—Continued

**RUBBER PLANT SPRINKLERS**—They can be used for sprinkling plants, cut flowers, etc., also for dampening clothes, and for disinfecting purposes.

No. 28a—8 oz. angle neck. See Fig. 3. \$1.00. Parcel Post weight, 1 lb.



## Fountain Sprinkler

Made of Heavy Brass.

Easily moved over the lawn without turning off the water. The mist-like spray is a veritable "thing of beauty." Price, \$1.00, postpaid.

Half-Circle Sprinkler, 85c, postpaid.

## Adjustable Rain-Drop Lawn Sprinkler

### FOR UNIVERSAL USE

For watering along the walk or property line it is adjusted as shown in this illustration. It will throw the water away from the walk and keep it dry while wetting the curb or lawn.

Where it is desired to throw water to a distant point, the rose top can be removed and hose nozzle put in its place and adjusted to throw the water where you want it.

Used as a Fountain Spray it will give a spread of twenty to thirty feet, according to the water pressure. The illustration above show the Rain-Drop as adjusted to this use. The construction of the rose spray is such as to break up each stream into fine molecules and produce a fine rain drop effect that gives the spray its name.

No Puddles—No Dry Spots, but an even gentle rain drop that soaks into the ground and keeps the lawn evergreen.

**The Rose Spray**—The rose top can be removed and attached to hose for spraying flowers, shrubs, etc., or for washing the car.

**Durability**—The rose top is made of heavy sheet brass and will not split and the base is made of pressed steel and will not break.

Price complete, \$1.75, postpaid.



## Standard Rain King Sprinkler

Price, \$3.00, postpaid.

**GIANT RAIN KING**—Like Standard, but is four feet high and has four nozzles. \$12.50; postpaid, \$12.75.

## Dayton Sprinkler

This Sprinkler is adjustable at will from bell-shaped spray or full stream, half or full circle, 15 to 80 feet in diameter. It covers four times the area of any sprinkler its size. Instead of spraying in a continuous circle, it sends the water in one direction and slowly rotates, thus covering every inch of ground evenly. Price, \$8.00, postpaid.

## Rubber Hose, Reels, Menders, Etc.

**M. & S. SPRAYER NOZZLE**—Sprinkles like a watering can, or straight stream. Has automatic shut-off. Price, \$1.50.

**HOSE NOZZLES**—Combined solid stream and spray. 85c each. (Boston Gem.)

**RAIN KING NOZZLE**—The best yet, \$1.50.

**HOSE MENDERS (Sure Shot)**—15c each; \$1.75 per dozen.

**HOSE COUPLINGS**—Brass, regular size, 25c per pair.

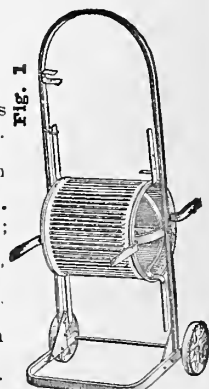
**HOSE WASHERS**—Rubber, regular size. 10c per dozen.

**HOSE BANDS**—For ¾, ½ and ¼-inch hose. 5c each; 500 per dozen.

**HOSE REELS**—Victor all steel cap; 75 ft. Price, \$2.50. (Figure 1.)

No. 10 TUBULAR HOSE REEL—Cap. 100 feet. Price, \$4.00.

No. 20 TUBULAR HOSE REEL—Cap. 150 feet. Price, \$5.00.



## Whipcord Molded Braided Garden Hose

The hose we offer is the best. It is guaranteed not to break. **WHIPCORD**—Continuous length braided ¾ in. hose. We can furnish any lengths. We can highly recommend this hose. 17c per foot any length without couplings. Furnished also in ½ inch, 1c per foot less, and ¾ inch, 1c per foot more. 25 feet coupled, \$4.25; 50 ft. \$8.00.

# SKINNER SYSTEM SPRINKLERS

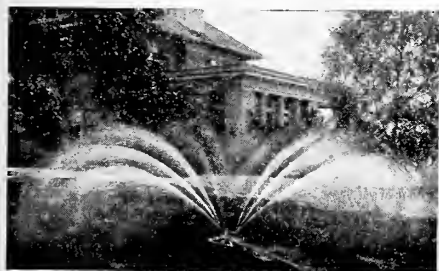
COMPLETE CATALOG ON REQUEST

## THE TU-WAY SPRINKLER



Here is a sprinkler that combines two sprinklers in one—exactly the sprinkler that is needed for the small lawn or for odd shaped spaces. Use it as a circular sprinkler and you can cover a circle 30 feet in diameter. And every portion of this circle will be watered uniformly. Then, by giving the nozzle a half turn, you have a sprinkler that waters only half a circle—just what you have always wanted for watering the space between the sidewalk and the house, or any other narrow strip of lawn or border. If you have a small lot—say 50 x 100 feet, or less—the Tu-Way Sprinkler will give you astonishing results. Price, \$1.00; postpaid, \$1.10.

## THE MOR-RAIN SPRINKLER



As a general, all-round sprinkler, a sprinkler that comes nearer to meeting all requirements for the average size lawn than any other sprinkler made, the Mor-Rain is without question the ideal. It waters both full and half circles. To change from a complete circle to a half circle, just give the nozzle head a half-turn, and the job is done. No tools of any kind are needed. So simple a child can do it.

It will throw fine drops of water uniformly over a 50-foot circle. But you can regulate the area by opening or closing your faucet. The half-circle head delivers a mist that falls so gently that the lightest soil is not washed away, nor does it injure the tenderest plant. This mist is thrown 18 to 20 feet from the sprinkler, but can be throttled down to only a few feet.

If you have open spaces in your lawn from 50 to 100 feet in diameter, you will do well to choose Mor-Rain to do your watering. Mor-Rain is built to give years of service. The head and arms are made of brass. The base is of iron and weighs 3 lbs., so that it cannot easily be upset. Attractively painted.

Price, \$3.00; postpaid, \$3.15.

## THE ROTO-RAIN SPRINKLER



This is without doubt one of the most wonderful rotating, large area sprinklers that has ever been made. It will throw a fine spray covering as little as a 10 ft. circle, or a full flow that will cover an 80 ft. circle. These changes are instantly made by adjusting the large nozzles. The large nozzles revolve very slowly, 70 seconds being required to complete the circuit. This insures perfect watering.

ing, and promotes a healthy, deep-rooted growth of turf, shrubbery, and flowers.

In addition to the large nozzles, the inner part of the circle is taken care of by smaller nozzles on the "flyer" arms. These "flyer" arms revolve more rapidly than the large nozzles, the speed being regulated to give the most complete and uniform water distribution.

The rugged constructions of Roto-Rain is apparent at first glance. The hose coupling is brass swivel and so located that it is a simple matter to attach the hose. The large nozzles are made of extra heavy brass. Only the most expert mechanics are capable of making these nozzles in accordance with our specifications.

Roto-Rain is 10 inches high and weighs 12 pounds. Recommended water pressure, 35 to 50 pounds. Price, \$15.00, postpaid.

## THE LAWN-MIST SPRINKLER

This sprinkler is especially adapted for newly seeded lawns or the most delicate plants. The nozzles break up the water into a cloud of fine mist just as soon as it leaves the pipe. It is the finest spray that can be successfully used outdoors.

The Lawn Mist is ideal for narrow rectangles, small formal gardens, etc. For grass-growing, there is nothing to equal it.

It is 15 feet long, with five clusters of three nozzles each. It covers a strip of ground 16 feet x 20 feet. Not less than 20 pounds pressure is recommended. Mounted on wheel truck. Weighs 30 lbs. Price, \$12.50. Cannot be mailed.

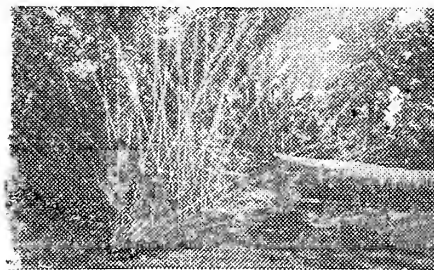
**LAWN MIST, JR.**—is 9½ feet long. Four spray clusters of three nozzles each. It is mounted on skids and is easily pulled or carried about. It weighs only 13 pounds. Price, \$8.00. Not mailable.

## THE PEACOCK SPRINKLER

A wonderful sprinkler, very beautiful in action, especially in full sunlight. The sprays are thrown out fanwise like a peacock's tail—hence the name. The streams are shot high into the air, and before falling break into countless tiny drops.

Rough usage won't harm the Peacock. Nothing to get out of order. It is made to use singly or several sections together. Each section has a wheel truck at one end and can be easily pushed to any location. The Standard Peacock is 12½ feet long and will water a strip of ground 15 ft by 50 ft. at 40 lbs. pressure. Weight is 25 lbs. Price, \$15.00. Not mailable.

**PEACOCK JUNIOR** is 7 ft. long and will cover a strip 10 ft. by 50 ft. at 40 lbs. pressure. It is mounted on skids, and weighs 12 lbs. Price, \$8.50. Not mailable.



## THE BORDER-MIST SPRINKLER

The Border-Mist is the ideal one-way sprinkler—a sprinkler that throws water only on one side at a time. Its light spray waters any width from 30 inches to 16 feet.

Placed on the walk, it will water the grass or flowers without wetting the walk, or will water deep into the shrubbery.

There is a handle on the sprinkler so that without turning off the water, the spray can be changed to any angle or the direction of the water completely reversed. Its length is 15 feet. Mounted on wheel truck. Minimum pressure recommended, 15 lbs. Water 16 ft. x 36 ft. at one setting. Price, \$12.50. Not mailable.

**THE BORDER-MIST JUNIOR** is exactly like the Standard, except that it is 9 ft. long instead of 15 ft. Weighs 16 lbs. Is mounted on skids. Superb sprinkler for the ordinary 50 ft. lot. Price, \$8.00. Not mailable.

**TYPE B OSCILLATING SPRINKLER AND STAND, \$35.00.** Plus 50c per foot for Sprinkling Line, including stands, f. o. b. factory.

## OVERHEAD IRRIGATION

For vegetable and flower gardens, we strongly recommend our Overhead Irrigation System. Without doubt, it is the nearest approach to a gentle shower that it is possible for man to produce.

It is always in place, always ready for use. Simply turn the valve and fine sprays are shot high into the air, break up into countless tiny drops, and fall gently onto the ground. Thus large areas are irrigated uniformly and thoroughly, and with a minimum of time, effort, and water.

You'll have flowers and vegetables that grow faster, mature earlier, rate higher in quality, and produce more abundantly. And, in addition, you can plant late crops that will be as fresh and tender in the fall as other crops are in the earlier months.

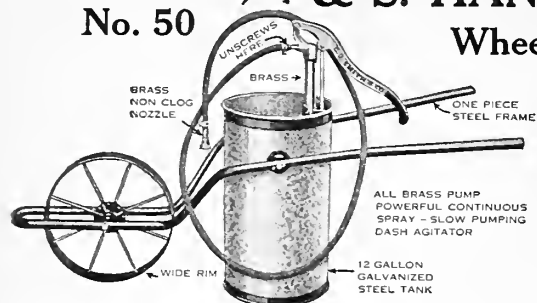
Ask for Catalogue No. 313, which gives you all the facts. See how economical it is, how easily it may be installed, how it is used in gardens of all sizes and shapes.





# M. & S. HAND AND AUTO SPRAYERS

No. 50



## Wheelbarrow Sprayer

**A HANDY  
OUTFIT—  
LIGHT IN  
WEIGHT**

The frame is steel, strong and durable. The pump may be quickly removed from tank and then the outfit may be used for wheeling water or slops about. Equipped with 8 feet best grade hose and 4-foot extension rod. Cannot be sent by parcel post. Price, \$15.00.

## No. 22 Banner Compressed Air Sprayer

IN EVERY SENSE—A DISTINGUISHED SPRAYER



We guarantee this sprayer to be well made of the best material and workmanship and to do the work it is subjected to when the directions which accompany each sprayer is followed. We will refund the purchase price to any one finding it otherwise than this guarantee.

For spraying all insecticides; garden vegetables, potatoes, plants, vines, shrubbery, fruit trees, cotton, flower beds, roses. For spraying whitewash, Carbola, cold water paints, disinfectants, cow spray, sheep dip, oils. For cleaning automobile motors and spraying oil on springs. For washing automobiles, windows and for staining shingles and porch furniture. For greenhouse work. Excellent for removing wall paper, and it is a great fire extinguisher and is highly adapted for fighting forest fires. It sprays anything in liquid form and is easily operated.

**Capacity—Four gallons.**

**Hose—2 feet, 1/2 in., 5-ply, and 2 ft. extension.**

Shipping weight, 10 lbs. on each of three listed.

No. 22 Banner All Brass Sprayer, \$9.00.

No. 22 Banner Galvanized Steel Sprayer, \$6.00.

**JUSTRITE SPRAYER**—Like above. 2 1/2 gal. cap., \$5.00.

## Spray Nozzles, Hose, Extensions



- |  |        |
|--|--------|
| No. 176—Golden Automatic Nozzle.....   | \$1.50 |
| No. 136—Bordeaux Nozzle .....          | 1.00   |
| No. 145—Simplex Nozzle .....           | .75    |
| No. 146—Angle Nozzle .....             | .75    |
| No. 149—Leakless shut-off .....        | 1.00   |
| No. 131—3 ft. Brass Extension.....     | .90    |
| No. 132—2 ft. Brass Extension.....     | .75    |
| No. 175—4 ft. iron pipe extension..... | .80    |

All Nozzles Postpaid.

No. 42—8 ft. Bamboo. Price with stop cock.....\$3.60

No. 44—10 ft. Bamboo. Price with stop cock..... 3.90

No. 46—12 ft. Bamboo. Price with stop cock..... 4.25

Not available. Express only.

Spray Hose, 1/2 inch, best made, all rubber, 18c per ft. Postpaid.

1/2 inch clamps for same, 5c each; 50c dozen. Postpaid.

1/2 inch Hose Couplings, 25c pair. Postpaid.

1/2 inch Male fittings, No. 137, 25c.

1/2 inch Female fittings, No. 137, 25c.

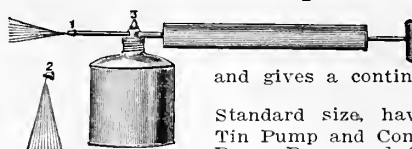
No. 45 **STURDY SPRAY PUMP**—All brass. A high pressure,

yet light and durable sprayer, made entirely of brass.

It is double acting, produces a continuous spray and works from bucket, barrel, etc. Price, complete.....\$4.50

With Galvanized Tank..... 7.50

## Robertson Compressed Air Sprayer



This is the most efficient hand sprayer ever offered; easy to operate and gives a continuous spray.

**Prices**

Standard size, having one-quart container.

Tin Pump and Container.....\$1.00

Brass Pump and Container..... 2.00

Tin Pump and Galvanized Iron Container..... 1.25

Brass Pump and Copper Container..... 2.25

All sprayers have brass tubes and fittings.

If to go by parcel post, add 10c to each.

## Savage Junior and Niagara Dusters



Excellent for dusting flowers, trees, and in poultry houses. Handles Arsenate of Lead, Calcium, Paris Green, Sul-

phur, Pomo Dust, All in One, etc.

Price Savage above, \$1.50; via Post \$1.60.

Price Niagara, \$1.25; via Post \$1.35.

## Auto Sprays Nos. 9 and 50, B and D

Latest improved compressed air sprayer, equipped with a brass screw cap. The metal in the tank is locked seamed, well riveted, soldered inside and out. May be obtained with brass or galvanized tank. Brass tank is strongly recommended as it will not corrode. Capacity of No. 9, three and one-half gallons, capacity of No. 50 two and one-half gallons. Weight of No. 9, packed for shipment, ten lbs. Weight for No. 50, seven pounds.

Auto Spray No. 9-B, brass tank.....\$9.25

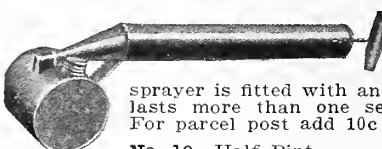
Auto Spray No. 9-D, galvanized tank..... 6.25

Auto Spray No. 50-B, brass tank..... 7.90

Auto Spray No. 50-D, galvanized tank..... 5.40



## Tin Sprayer



A strong atomizer made of heavy tin used for all light spraying and disinfecting. The pump of the sprayer is fitted with an oil treated leather cup that lasts more than one season, made in three sizes. For parcel post add 10c to each size.

No. 10—Half Pint.....\$ .35

No. 18—Pint..... .45

No. 21—Quart..... .50

## Speedex Sprayer

Made with brass pump and galvanized steel tank.

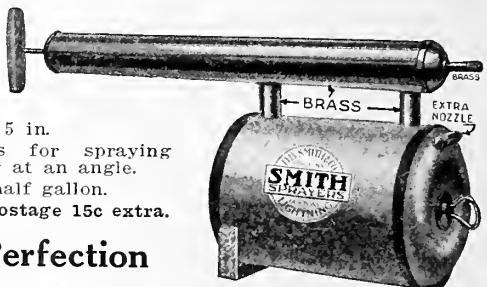
Pump chamber Brass, 1 1/2 in. by 1 1/2 in.

Tank: 8 in. by 5 in.

Nozzles: Brass for spraying straight ahead or at an angle.

Capacity: One-half gallon.

Price, \$2.50, for postage 15c extra.



## Hudson Perfection Tank Sprayers

No. 110G—Perfection, Galvanized Tank. Cap. 4 gals. Each \$6.50

No. 110B—Perfection, Brass Tank. Cap. 4 gals. Each.....\$9.50

No. 140G Hudson Jr.—2 1/2 gal. cap. Galvanized. Parcel post weight, 9 lbs. Each.....\$5.40

2 ft. Extension Rods for either three—Brass, 60c; Galvanized 40c

## Hudson Barrel Pump

No. 4A—Pump complete with 6 feet of 3/4-inch spray hose and Ideal angle spray nozzle, 4 ft. extension rod. Shipping weight, 45 pounds. Price, each.....\$14.00

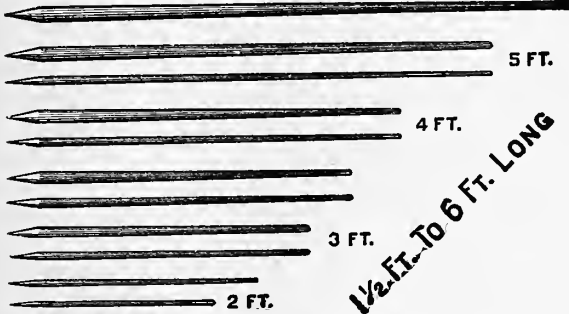
# M. & S. HORTICULTURAL AND GARDEN SUPPLIES

## Pot and Tree Labels—Painted

Width.	100	P. P. Wt.	500	1000	P. P. W.	per 1000
4 x 1/2 in.	\$0.30	1/2 lb.	\$1.00	\$1.70	3 lbs.	
5 x 1/2 in.	.35	1/2 lb.	1.25	2.10	4 lbs.	
5 x 1/2 in.	.40	1/2 lb.	1.50	2.50	5 lbs.	
10 x 1/2 in.	.75	1 lb.	3.50	5.80	10 lbs.	
12 x 1/2 in.	.90	2 lb.	3.75	7.00	12 lbs.	
8 x 1/2 in.	.75	2 lb.	3.50	6.50	9 lbs.	
10 x 1/2 in.	1.00	2 lb.	4.25	8.00	10 lbs.	
12 x 1 1/2 in.	1.25	3 lb.	6.00	11.00	12 lbs.	
3 1/2" Copper Wired	.35	1/2 lb.	1.40	2.30	4 lbs.	

**IMPROVED GALVANIZED MARKER**—9 inches long to be stuck in ground. Marker weatherproof. \$5.00, 100; 75c doz.

### GREEN PAINTED ROUND PLANT STAKES



### HEAVY PLANT STAKES

3 ft., Heavy or Dahlia.	Each 12c.	Per doz.	\$1.15.	Per 100	\$3.60
4 ft., Heavy or Dahlia.	Each 15c.	Per doz.	\$1.55	Per 100	\$11.40
5 ft., Heavy or Dahlia.	Each 20c.	Per doz.	\$2.25.	Per 100	\$14.60
6 ft., Heavy or Dahlia.	Each 25c.	Per doz.	\$2.50.	Per 100	\$17.90
P. P. Wgt., Per Doz.,	3 ft., 3 lb.; 4 ft., 5 lb.; 5 ft., 7 lb.; 6 ft., 9 lb.				

### LIGHT PLANT STAKES

1 1/2 ft., Light, each 3c;	dozen 25c;	100	\$1.50.
2 ft., Light, each 4c;	dozen 40c;	100	\$2.80.
2 1/2 ft., Light, each 6c;	dozen 60c;	100	\$4.10.
3 ft., Light, each 8c;	dozen 75c;	100	\$5.40.
Parcel Post Weight, Per Dozen,	1 1/2 ft., 1/2 lb.; 2 ft., 1/2 lb.; 2 1/2 ft., 1 lb.; 3 ft., 1 1/4 lb.		

### BAMBOO PLANT STAKES

	Dozen.	100
2 ft., painted green	\$0.15	\$0.75
3 ft., painted green	.20	1.10
4 ft., painted green	.25	1.50
5 ft., painted green	.30	1.75
6 ft., not painted	.35	2.00
6 ft., not painted, heavy tonkin, fine for dahlias	1.00	8.50

## Pointed Floral or Hyacinth Stakes

Used for Staking Hyacinths, Tulips, Etc. Dyed Green.  
Price: 18-inch 8c doz.; 50c per 100; \$3.00 per 1,000.  
Special Prices to Florists in 1,000 Lots.

### WIRE VEGETABLE CRUTCHES

	Doz.	100.
3 foot	\$0.55	\$4.00
4 foot	.75	5.50
5 foot	.95	7.25

If wanted by Parcel Post add 10 per cent of value for postage.

## Garden Reels

Every gardner should have one of these handy reels. Straight rows add greatly to the looks of the garden. These reels are made of heavy iron, and will last a life time.

Large size double reel to hold 100 feet of line, \$3.15.

Large size single, \$2.50.

Small size, \$1.25.

Via mail, either size, 25c extra.

"LIGHTNING" WIRE PLANT TIE.

For fastening plants to stakes, either wire or wood; can be used many times. 1,000 ties in a package. Price, \$2.00.

**Twines, Etc.** Jute Twine—3-ply, 25c ball.  
Binder Twine—Standard; ball, 5 lbs. \$1.00.  
Quantity price furnished on application.

Fodder Twine, or Tarred Sisal—Lb. 15c. Quantity prices furnished on application.

Flow Lines—Cotton, per pair, 75c; Sisal, 40c. Weight, 2 lbs.

Garden Line—150 feet of good cotton line, 35c.



## Raffia

Fig. 21. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price lb. 25c. Hanks contain about 2 1/2 lbs.; 25 lbs. or more, at 20c lb. Special price on larger quantities.

Fig. 21.

the garden. Price lb. 25c. Hanks contain about 2 1/2 lbs.; 25 lbs. or more, at 20c lb. Special price on larger quantities.

## N. Y. Style Cedar Tubs



The New York style tree tubs are made of seasoned selected Virginia white cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and liberal-size metal handles. These tubs are painted with the best oil paints—a handsome green on the outside and dark gray inside. Hoops, handles and feet trimmed in jet black.



### New York Style.

### Richmond Style.

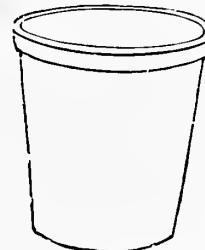
Size.	Top Diameter Inches.	Bottom Diameter Inches.	Depth Inches.	Price Each.	Weight Each Pounds.
No. 1	12	9 1/2	10 1/2	\$2.40	9
No. 2	13	10 1/2	12 1/2	3.00	13
No. 3	14 1/2	12 7/16	14 1/2	3.75	15
No. 3 1/2	16 1/2	14 1/2	15 1/2	5.00	18
No. 4	19 7/16	17 1/2	16 1/2	5.50	21
No. 5	22 7/16	20 1/2	18 1/2	7.00	26

The Richmond Style tree tubs are made of seasoned selected Virginia white cedar, are bound with electric-welded wire hoops, galvanized, three hoops to each. The Richmond Style fills a long-felt want for a cheap type of plant tub and is being used by many large florists in the place of earth pots. These plant tubs are nicely painted with the best oil paints—a handsome green color inside and out. The tops of the staves are slightly beveled, which gives them a neat, trim finish. Has no feet or handles.

Size.	Inside Top Diameter Inches.	Bottom Diameter Inches.	Inside Depth Inches.	Price Each.	Weight Each Pounds.
No. 5	10	7 1/2	9	\$0.85	3
No. 7	12	9	11	1.25	4 1/2
No. 9	14	11	13	2.00	7
No. 11	16	12 1/2	15	2.50	9

## Earthenware Flower Pots

Sent by Express and Freight Only.



	Each.	Dozen.	100.
2 in.	\$0.03	\$0.20	\$1.35
2 1/2 in.	.04	.27	2.00
3 in.	.06	.30	2.25
4 in.	.06	.45	3.25
5 in.	.09	.70	5.25
6 in.	.12	1.25	7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50
12 in.	1.00	9.50	75.00
14 in.	1.60	16.00	125.00

### EARTHEN BULB PANS

	Each.	Dozen.	100.
6 in.	\$0.12	\$1.25	\$7.75
7 in.	.18	2.00	15.00
8 in.	.30	2.75	20.00
9 in.	.40	3.75	29.00
10 in.	.55	5.50	37.50

### EARTHENWARE SAUCERS

	Each.	Dozen.	100.
4 in.	\$0.04	\$0.40	\$2.50
5 in.	.06	.50	3.25
6 in.	.07	.65	4.00
7 in.	.10	1.00	6.25
8 in.	.12	1.25	7.75

Prices on 1,000 Lots on Application.



Extensively used for shipping, starting seeds and seedlings in frames and hot-houses.

## NEPONSET WATERPROOF PAPER FLOWER POTS

	Per Doz.	Per 100.	Per 1,000.
2 1/2 in.	\$0.08	\$0.50	\$3.75
3 in.	.15	.70	5.75
3 1/2 in.	.20	1.00	7.25
4 in.	\$0.25	\$1.25	\$9.00
5 in.	.30	1.75	14.00
6 in.	.40	2.50	18.50

Dozen and 100 lots, postpaid; 1,000 lots, add 25c.

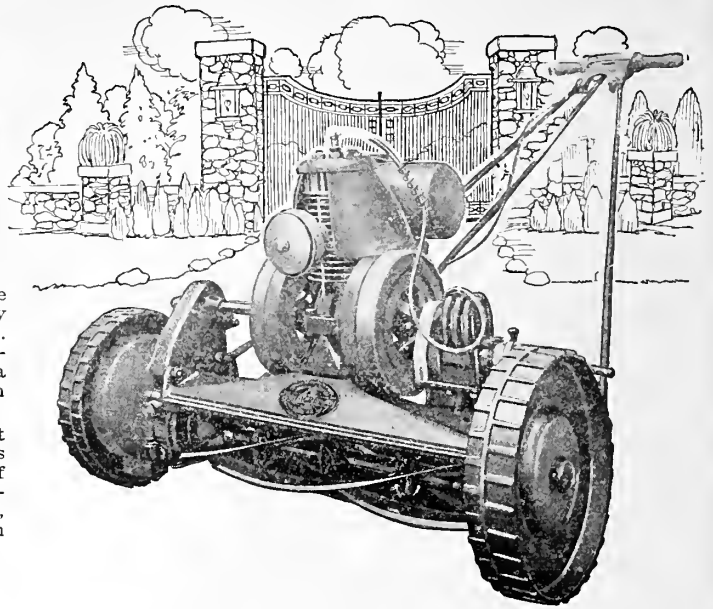
# The Improved Jacobsen Heavy Duty Power Lawn Mower

Today, wherever there is extensive grass cutting to be done on home lawn, industrial or school lawns, in park, cemetery or on golf courses, the hum of the power lawn mower is heard. Jacobsen Power Mowers have many years successful performance to their credit. They are built by power specialists in a factory exclusively devoted to the building of power lawn mowers.

The Improved Jacobsen 4-Acre is a heavy duty mower that represents the highest type of walking power mower. For years it has been an outstanding success, and the Improved model of today, with increased motor power and various mechanical refinements will meet the most exacting standards of strenuous, every-day work for many years, and quickly pay for itself in time and labor saved.

## Better Lawns at Lower Cost

The Improved Jacobsen 4-Acre Heavy Duty Power Lawn Mower travels on its own power and cuts a 24-inch swath at the rate of 4 or 5 acres a day on a gallon of gas. Work formerly requiring 4 or 5 men with hand mowers becomes a one-man job with the 4-Acre, and where one man takes care of the lawn work with a hand mower, the time he can save with a 4-Acre can be profitably spent in otherwise beautifying the grounds. The frequent, even, clean cutting possible with a 4-Acre Mower results in a better kept lawn and a firmer, more luxuriant sod. Hundreds of these mowers have seen years of successful use in the hands of men inexperienced in mechanics. They are very simple and easy to operate.

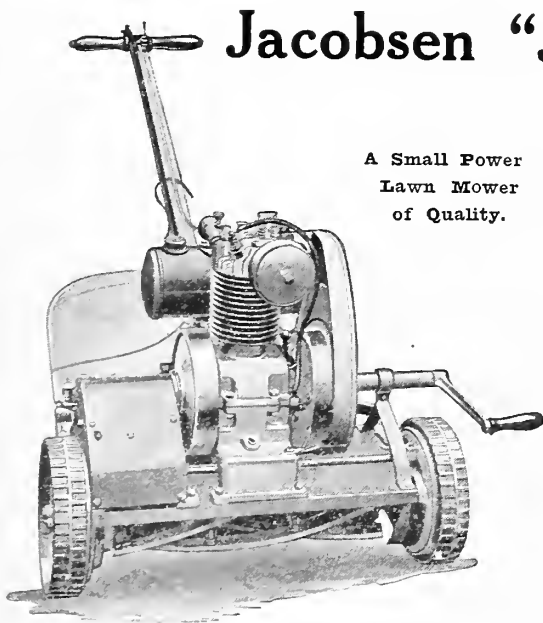


## Finely Engineered

The Motor is specially designed for power lawn mower work. It is not a "makeshift" like so many small motors, but is a high-grade completely equipped motor. It has high-tension magneto, float type carburetor and is air cooled. The 4-Acre has an automobile type differential, and separate clutch control for traction unit and cutting reel, hence steering, turning and close-up cutting is as easy as with a hand mower. The steel cut gears run in oil and are encased in dust-proof housings, insuring long life and trouble-free service.

The knives of the 4-Acre are sharpened by the mowers own power through special reverse gears. The friction clutch prevents damage when sticks or stones catch in the knives.

It is sold under a rigid guarantee. Prices will be quoted on request.



A Small Power  
Lawn Mower  
of Quality.

## Jacobsen "Junior" Power Lawn Mower

For the home, school or industrial lawn of moderate size, or for lawns with numerous obstructions and terraces, this mower has proven very popular. It is a worthy member of the Jacobsen family, faultlessly engineered and designed for sturdy, simple dependability. The five-blade reel cuts a 19-inch swath at the rate of two acres a day on a gallon of gas. Travels on its own power and the cutting reel is power driven with control at the handle—no pushing or pulling necessary. The "Junior" actually handles easier than a hand mower. The self-sharpening device is a distinct feature.

### A Well Balanced Motor

The motor of the "Junior" Mower is a 4 cycle, 1 horsepower, slow-speed motor with a 2½ x 2½ cylinder, overhead valves, crankcase and oil pump lubrication, and is equipped with a dependable magneto—eliminating troublesome coils and batteries. It starts with a crank—not a rope pull. The transmission and clutches are entirely enclosed in dust-proof housings—no exposed chains or gears. It is indeed a quality small power lawn mower.

The Jacobsen "Junior" Power Lawn Mower is remarkable in its performance, attractive in price and fully guaranteed.

### Also Putting-Green and Estate Roller Mowers

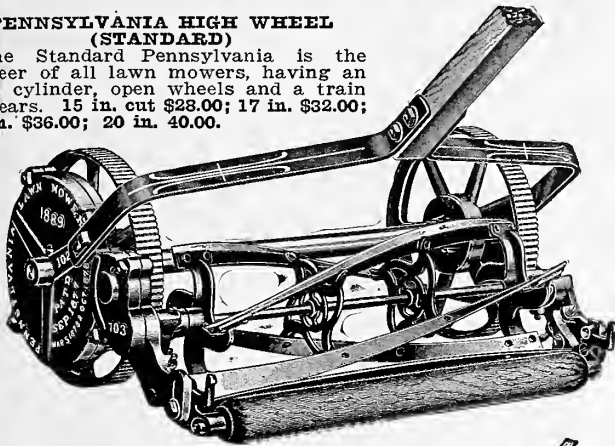
The Jacobsen Putting-Green Mower has for four years performed successfully on many of the finest greens in the country. The traction being obtained by rollers instead of wheels prevents the mower from dropping into pockets. It will not mar or scuff the turf and does the work of two or three men with hand mowers. The Estate Mower is also a roller mower suitable for the fine lawns of private estates. Prices and complete description on request.

Our Mowers Must  
Give Results

## M. & S. RELIABLE LAWN MOWERS, ETC.

### PENNSYLVANIA HIGH WHEEL (STANDARD)

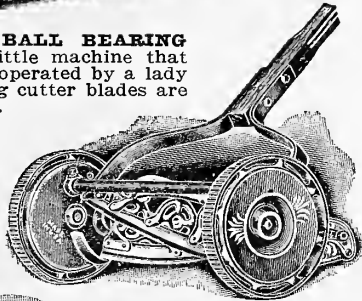
The Standard Pennsylvania is the pioneer of all lawn mowers, having an open cylinder, open wheels and a train of gears. 15 in. cut \$23.00; 17 in. \$32.00; 19 in. \$36.00; 20 in. 40.00.



**M. & S. "COLONIAL" BALL BEARING LAWNMOWER**—A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

#### PRICES:

12 in. \$9.50; 14 in. 10.50;  
16 in. \$11.50.



### COLDWELL'S BALL BEARING TRIMMER

is a very high class tool for finishing along walks, walls or flower beds, where the regular lawn mower cannot be used successfully. It accomplishes this task quickly and neatly and with very little effort. Does

away with the back-breaking job of trimming with shears. Especially desirable for cemetery trimming.

#### Specifications

**Blades**—Four crucible steel.  
**Gears**—Fine cut gears in drive wheels. Pinion and pawl drive. Accurate and noiseless.  
**Bearings**—Balls, finest drop-forged steel, case hardened. Cones made from steel shafting, turned and ground for true finish.  
**Wheels**—8 inch solid wheel on right side only. Small caster wheel in front on left side.  
**Parts**—Malleable and cast. Best grade. Carefully machined and assembled.  
**Bottom Knife**—Finest tool steel knife, self-sharpening.  
**Bottom Knife Bar**—Heavy ribbed. Simple adjustment.  
**Handle**—Hardwood, adjustable steel braces.  
**Finish**—Golden Bronze, Maroon striping.  
**Width of Cut**—8 inches only. Price, \$11.25.

**COLDWELL'S IMPROVED HORSE LAWN MOWER**—This well known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and caster rollers which will not mark the lawn. Complete with seat and shaft.

Price: 30 in. \$125.00;  
35 in. \$135.00; 40 in.  
\$152.50.

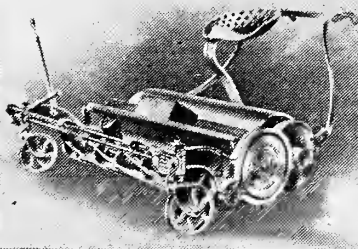
**PONY MOWER**, 25-inch cut, equipped with single tree only. Price, \$80.00.

**OIL CANS**—Filled with oil, 15c and 25c.

We Repair  
and  
Sharpen

Lawn Mowers

**HORSE BOOTS**, Set of four, \$15.00.



Coldwell's "Improved"  
Horse Lawn Mower

**M. & S. "INTERSTATE"**—Is a high grade, high wheel, ball bearing mower at a moderate price. Light and easy to handle. Has large revolving cutter, high frequency and will do a fine job of cutting with little effort.

#### Specifications

**Blades**—Four crucible steel.

**Gears**—Pinion and flat sliding pawl type. Direct drive both sides. Protected from dirt and flying grass.

**Bearings**—Balls, finest drop-forged steel, case hardened. Cones made from steel shafting, turned and ground for true finish.



M. & S. Interstate

**Frame**—Open type, light in weight but strong and durable.  
**Wheels**—10 inches, six spokes, open style.

**Parts**—Same high grade material and accurate workmanship as used in higher priced machines.

**Bottom Knife**—Flat crucible steel, self-sharpening.

**Height of Cut**— $\frac{1}{2}$  to  $1\frac{1}{2}$  inches.

**Handle**—Hardwood, varnished. Adjustable braces.

**Finish**—Blue and gold. Prices: 14 in. cut \$12.50; 16 in. \$13.50; 18 in. \$14.50.

### COLDWELL'S IMPERIAL ROLLER BEARING

—Designed to meet the demands of park and cemetery superintendents. Durable, light running, easy to push and requiring minimum of attention to adjustments. Roller bearings enclosed in dust-proof housings. When packed with light grease will need no further oiling for the season.

Best lawn mower on the market for hard service in parks, cemeteries and private grounds.

**Lightest Running—Strongest Built.**

**Wheels**— $10\frac{1}{4}$  inch.

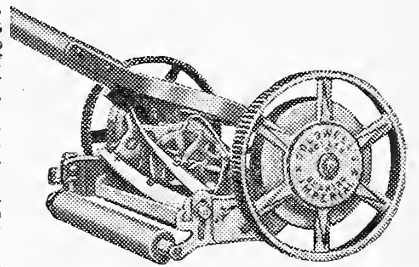
**Blades**—Five.

**Bearings**—Standard Hyatt Roller.

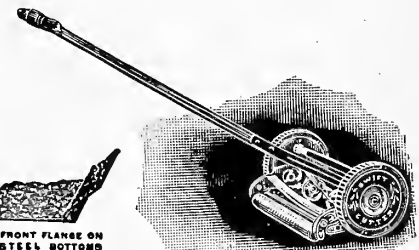
**Gears**—Triple-pawl ratchet.

**Material and Finish**—Highest class.

Prices: 16 in. \$20.00; 18 in. \$22.00; 20 in. \$22.50.



**M. & S. SWIFT CUTTER**—A low-priced machine for small grass plots, not ballbearing, fully guaranteed.  
Prices: 12 in. cut \$7.00; 14 in. \$8.00; 16 in. \$9.00.



FRONT FLANGE ON  
STEEL BOTTOM

### M. & S. EASY EMPTYING CANVAS GRASS CATCHER

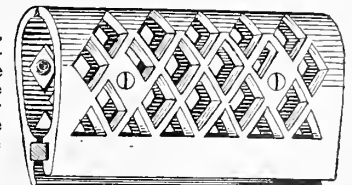
Designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower, 12 to 18 inch, \$1.50. Parcel post weight 5 lb.

**M. & S. Easy Grass Catcher.**

**ECONOMY GRASS CATCHER**—A good make, but lighter than the Easy. Construction similar, fits any mower from 12 to 17 inches. Price, \$1.00. Parcel post weight, 5 lbs.

**OVERHAULING AND SHARPENING OF LAWN MOWERS**—The best time for this is, before the actual time of lawn mowing has come. Let us do this for you. We call for and deliver the work.

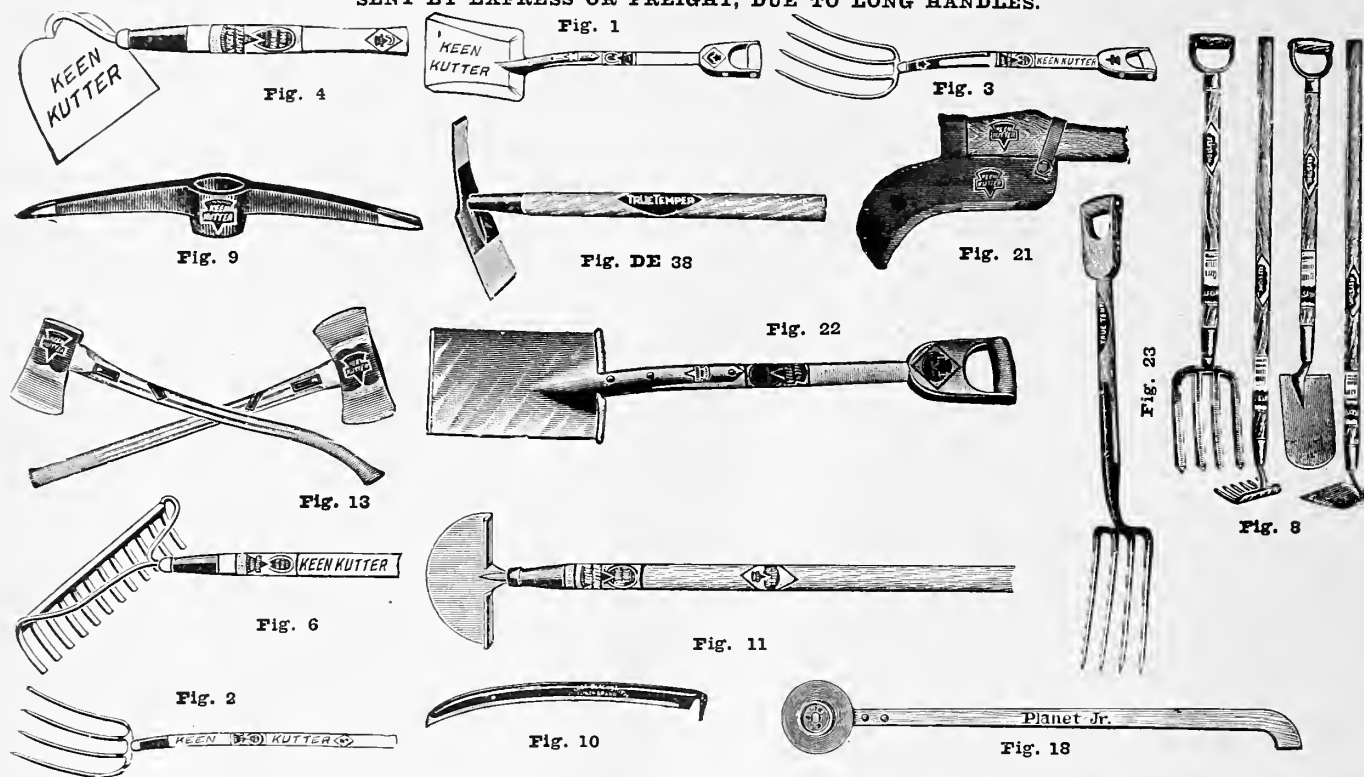
**M. & S. LAWN MOWER SHARPENER**—Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c each, postpaid.





# M. & S. FARM AND GARDEN TOOLS

SENT BY EXPRESS OR FREIGHT, DUE TO LONG HANDLES.



## Garden Tools, Shovels, Rakes, Etc.

Shovel, Keen Kutter Round Point Long Handle—\$2.25.  
Shovel, Keen Kutter Sq. Point D Handle No. 3—\$2.25. Fig. 1.  
Spade, Keen Kutter D Hdle—\$2.25. Fig. 22. Long Hdle, \$2.50.  
Spade, D. Hdle. Nursery—Double strapped, \$4.50  
Spade, Boys' or Ladies', Ames, \$1.25.  
Forks, Keen Kutter—3-tined Hay Fork, \$1.75.  
4-tined Hay and Manure—Long handle, \$1.75. Fig. 2.  
4-tined Manure—D handle, \$1.75. Fig. 3. Heavy Fork, \$2.50.  
4-tined Spading Fork—Fig. 23. D handle. \$2.00.  
Hoes, "Keen Kutter"—Fig. 4. Crucible steel. 6½ and 7½ in., \$1.25; 1-pronged, weeding hoe, 60c; 2-pronged, 70c.  
Hoe, K. K. Eye—7½-inch blade, \$1.50, including handle.

## YAMADE

**JAPANESE BROOM RAKE**—An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though swept with a broom. In fact, to get the best results it should be used with the motion of a broom. Made of split bamboo, rigidly secured, with a suitable length handle. Just the thing for cleaning grass clippings from walks and flower beds and borders, and from the lawn. Price, \$1.25 each; 24 in. broom, \$1.75; 10c extra for postage.

**LIGHTNING SNOW PUSHERS**—Effective, durable, practical. Best steel. 20 inch \$1.75; 24 inch \$2.00.



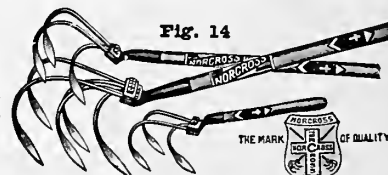
**YAMADE**  
"BROOM-RAKE"  
TRADE MARK  
PAT. APPLIED FOR

Pick, "Keen Kutter"—Fig. 9. Price, \$1.50; with handle, \$1.90.  
Ax, "Keen Kutter"—Guaranteed article. \$2.25. Fig. 13.  
Hatchets, K. K.—Half Pattern. Best quality. Each, \$1.75.  
Mattock, "Keen Kutter"—Price, \$1.50; with handle, \$1.90.  
Mattock or Grub Hoe—Price, \$1.25; with handle, \$1.65.  
Mattock, Pick and Ax Handles—Price, 40c each.  
Grubbing Hoe, One-Piece—Extra strong: Fig. No. DE 38, \$1.50.  
Potato Hook, or 4-pronged Hoe—Price, \$1.25.  
Hoe, English Scuffle—6 in. \$1. No handle. Handle, 35c extra.  
"Keen Kutter" Ladies' and Children's Garden Tool Set—Fig. 8. Not toys, but tools that will do and stand the work. Price, \$3.00. Single tools: Shovel, 90c; Rake, 60c; Hoe, 75c; Spading Fork, \$1.00.  
Planet Jr. Edger, No. 2—Fig. 18. Made of best material, extremely simple and easy to operate. Price, \$1.75, weight 4 lbs.  
"Keen Kutter" Turf, or Lawn Edger—For edging walks. Price, \$1.25. Fig. 11. See foot rest.

Rake, "Keen Kutter"—Bow Pattern. Fig. 6. 14-tooth, \$1.50.  
Rake, "Keen Kutter"—Regular pattern, 16 tooth. Price, \$1.25.  
Rake, Wire Lawn—Heavily reinforced, best made, 24 teeth. Fig. 13. \$1.00; 46 teeth, \$1.75; 24 teeth self cleaning, \$1.75.  
Rake, Lawn—Ole Olson. All wood, 26 teeth, \$1.00.  
Bush Hook, "Keen Kutter"—Fig. 21. Price, \$2.00.  
Scythes, Grass—30, 32 and 34 inches long. Price, \$2.00.  
Scythe, Weed and Bush—18, 22, 26, 28 inches long. Price, \$2.00.  
Scythe, Grass—Imported. Riveted back. 32, 34, 36 in., \$2.75.  
Snathes—Light and heavy. Price, \$1.75.  
Whetstones—Carborundum, 35c. Talacre Stone, 25c each. :

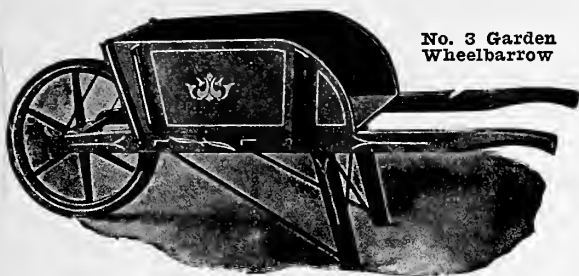
## Norcross Cultivators and Weeders

Three sizes and prices.  
Fig. 14, 5-pronged, 4 ft. handle, \$1.15; 3-pronged, 4-ft. handle, 85c; "Mid-get", 9-in. handle, 45c. Weight, 3 lbs., 2 lbs., 12 oz.



Mehler Handy Gardener—Long handle, five prongs. \$1.25.

# M. & S. LAWN AND GARDEN ACCESSORIES



No. 3 Garden  
Wheelbarrow

No. 3 Wheelbarrow, for Garden and Farm Use—A durable, neat garden barrow. Size of body, 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 4 feet 9 inches long; 2x1½ in. wheel; 20 in. diameter; 6 spokes. Price, \$7.50; set up, \$8.00.

## THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.



Price, 75c. Parcel post weight, 2 lbs.

Thistle and Dock Cutter—Fig. 18. Price, \$1.50.



Fig. 17

"Dandelion" Spuds—A practical weeder; long handle. Price, 25c.

Eureka Garden Weeder—Fig. 11. 50c. Parcel Post weight, 1 lb. Same with 2 ft. handle, 60c. Parcel Post weight, 2 lbs.

Garden Fork or Weeder—Fig. 24. 50c. Weight, 1 lb.

Dibbles, or Planting Pegs—Bent wood handle. 65c. Weight, 1 lb. Fig. 20. D. Handle. 75c.

Steel Trowel D. S. T.—Fig. 21. Drop Shank, best made. \$1.00, 2 lbs.

Steel Trowel S. S. T.—Straight Shank, best made, \$1.00, 2 lbs.

No. 212 One-Piece Trowels—50c. Fig. 22. P. P. weight, 2 lbs.

No. 215 Good, Strong 7-Inch Trowel—Fig. 23. Price, 25c. Parcel Post weight, 1 lb.

No. 217 Transplanting Trowels—Fig. 19. 6 inch. Weight, 1 lb. Price, 25c.

Magic "EZ" Weeder—Fig. 13. No. A—Price, 15c. Parcel post weight, 1 lb. No. D—Large size, 4-tined with hoe or scraper on back. Price, 45c. Parcel post weight, 2 lbs.

Excelsior Weeder—Five teeth. Fig. 15. Price, 20c. Weight 1 lb.

Kneeling Pads—Made of the best Para rubber. \$1.50, postpaid.



Fig. 18.



Fig. 1.

Erado Weeder—Used with Liquid Weed killer. Parcel post weight, 3 lbs. Price, \$1.00. Fig. 1.

Asparagus Knife—Which makes a fine weeder as well. Fig. 17. Price, 40c. Weight, 1 pound.



Fig 25

Cleveland Weed Puller—Fig. 10. Valuable for extracting weeds from the lawn. A great back saver. Price, \$1.00. Weight, 4 lbs. Long Handle Grass and Weed Sickle—Fig. 26. Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. Weight, 2 lbs. Price, \$1.25.

Grass Hooks or Sickles



No. 1—Best grade. Can be taken apart very handy. Parcel post weight, 2 lbs. 75c.

No. 2—English Grass Hook. Solid back. Price, 65c.

No. 3—Somewhat larger. Price, 75c. Weight of either, 2 lbs.

No. 4—Good all-round grade. Parcel post weight, 2 lbs. 50c.

German Grass Hook No. 2. Very durable; good material. 40c each, 2 lbs.

Fig. 20

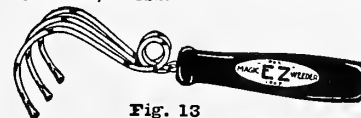


Fig. 13



Fig. 21

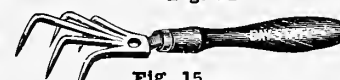


Fig. 15



Fig. 24.

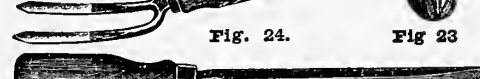
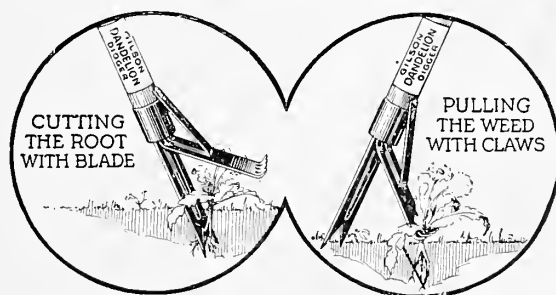


Fig 23

Fig 19.

WONDER DANDELION DIGGER  
Thin blade—Leaves No Holes.



Easy to use—practical—light. No fuss or soiled hands or clothing.

The thin blade cuts the root deep and does not mar the lawn. Weeds are removed without leaving large holes.

The weed is lifted out of the soil with the claw after the root is cut with the "V" shaped sharp cutting blade.

Save the grass by removing the weeds—and keep your lawn clean and attractive. Price, 50c, postpaid.



Fig. 10.



Fig. 11



Fig. 22.

## M. & S. PRUNING TOOLS, ETC.

### Rhodes Double-Cut Lopping Shears

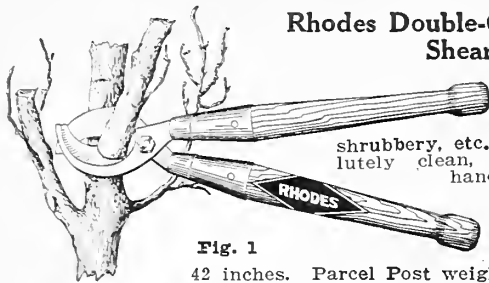


Fig. 1

42 inches. Parcel Post weight, 10 lbs. Price, \$6.50.

### THE RHODES DOUBLE-CUT HAND PRUNER

The finest cutting pruner made. Solid tool steel. Piano wire spring insuring long life. Catch used on our Hand Shear cannot pinch the hand or lock while in use. Made in one size; length, 9 inches. Price, \$4.50, postpaid.



Fig. 7

### Grape and Flower Shears—

Fig. 7. Very useful. Price, 50c each. Parcel Post weight, 1 lb.

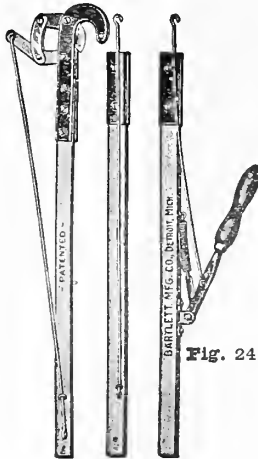


Fig. 24

### "McKenney Pruner"

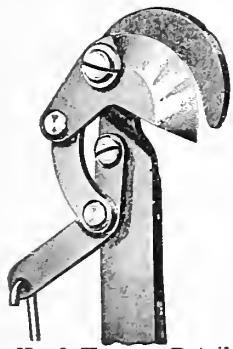
Made in two sizes: No. 1 and No. 2. The No. 1 cuts limbs up to 1 inch in diameter.

The No. 2 cuts limbs up to 1½ inch in diameter. Splendid for dehorning young cattle.

	Weight.	Length.	Price.
No. 1	2 lbs.	23-inch.	\$4.50
No. 2	5 lbs.	30-inch.	6.00

"Keen Kutter" Pruning Shears—Curved blade and hook. Forged steel; polished and tempered, ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; 24-inch hardwood handles. Price, \$2.50. Parcel post weight, 4 lbs.

Draw Cut Pruning Shears—Made of best material, very strong and clean cutting. No. 5400—24-in. handle, \$3.25. Parcel post weight on both, 5 lbs.



No. 1 Head in Detail.

### "KEEN KUTTER" TREE PRUNER

Made of best material. 10 ft. Price, \$2.50; 12 ft. \$2.75.

Express or freight only.

Jointed Pole Tree Trimmer—Fig. 24. 12 feet long, can readily be transformed to 8 foot trimmer; made of the best material; very strong. Price, \$4.50. Parcel Post weight, 8 lbs.

Extra blades, 40c each.

No. 1 Tree Trimmer—No. 1 has a compound lever head and is made with a hook and side lever. It is calculated for light and heavy work and will cut a limb up to 1½ inches in diameter. 6 and 8 ft., \$3.75; 10 and 12 ft., \$4.00; 14 and 16 feet, \$4.25. Express or freight only.

THE RHODES POLE PARAGON PRUNING SAW—For cutting large limbs high up; adjustable to any angle; 10-foot pole. Price, \$4.00. Express or freight.

Pruning Knife, No. 1—Wood handle. \$1.10, postpaid.

Pocket Knife, No. 24273—Double blade; spey and budding; bone handle. \$1.25, postpaid.

No. 11 Budding Knife. Spey blade or budding blade, ivory handle. Price of either, \$1.00, postpaid.

Pruning Saws—Made of the very best material, either double or single cutting edge, \$1.75. Fig. 8. Weight, 2 lbs.



Fig. 8

Regular Thermometer—Nicely finished. Price, 75c.

Self-Regulating Hothouse Thermometer—Best grade. \$6.00.

Hotbed Thermometer—Brass point. Fig. 8. Price, \$2.25.

Parcel Post Weight, 1 lb. on any of the three listed.

### The Rhodes Double-Cut Pole Pruner

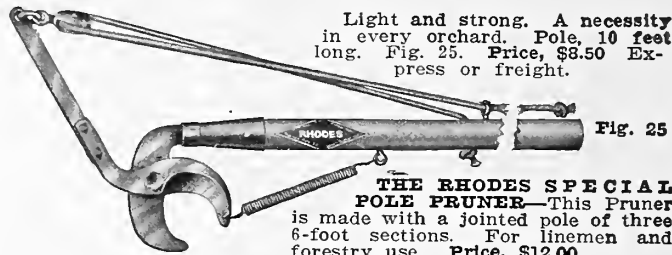


Fig. 25

Light and strong. A necessity in every orchard. Pole, 10 feet long. Fig. 25. Price, \$8.50 Express or freight.

THE RHODES SPECIAL POLE PRUNER—This Pruner is made with a jointed pole of three 6-foot sections. For linemen and forestry use. Price, \$12.00.

Cello Glass—The great substitute for glass, much stronger and lighter than glass. Can be used wherever glass is used. 300 square feet to the roll. 3 feet wide, cut any size from 1 running foot up. Price, 45c a running foot; for postage, 10c per foot, 1c for each additional foot.

Full roll, 100 running feet. \$43.25; parcel post weight, 33 lbs.

GRAFTING WAX—¼ lb. 15c; ½ lb. 25c; 1 lb. 40c.

Hot Bed Sash—Made to hold either 24 or 28 8x10 pans. These sashes are grooved so that the panes slide in and butt one against the other. \$2.25 each. Price subject to change. Express or freight.

Hotbed Mats—Burlap covered, 40x76 size, covers one sash. \$2.00 each; 76x76, covers two. \$3.25 each. Price subject to change. Express or freight. Fig. 23.



Fig. 23

Hotbed Glass—Box of 90 panes, 8x10. \$3.00. Price subject to change. Express or freight.

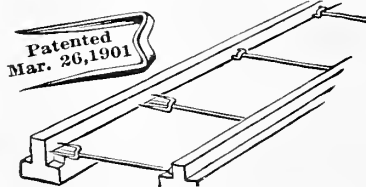
Putty Bulbs—For applying liquid putty. Fig. 22. Price, \$1.35. Parcel Post weight, 1 lb.



Fig. 22

Twemlow's Old English Glazing

"PEERLESS" GLAZING POINT.  
(Improved Van Reyper.)



Mastica Machine—For distributing mastica, etc. Made of heavy zinc. Price, \$2.75 (by mail, 10c extra).

Mastica—For glazing greenhouses. One gallon will cover about 300 running feet. One gallon \$2.25. Weight 18 lbs.

### ASBESTOS TORCH

This is the most practical satisfactory device yet found for burning caterpillars, worms and other tree pests. It is a black tinny ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. 60c, postpaid, 70c.



Protect  
Chicks &  
Plants with  
**CEL-O-GLASS**

# THE "LITTLE WONDER" HEDGE AND LAWN TRIMMER

## THE "LITTLE WONDER" HEDGE TRIMMERS— HAND AND ELECTRIC MODELS



Top Cut



Side Cut

The machines are built along the most practical mechanical lines and of the best materials obtainable.

The "LITTLE WONDER" Hedge Trimmer cuts every variety of hedge grown, 5 to 10 times as fast as by hand. Wonderful testimonials from owners.

Saves you money every time it trims a hedge. The bigger the hedge, the bigger the saving.

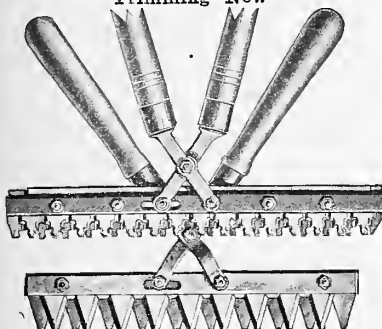
Will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type.

### Prices

	Hand-driven	Electric
30 in. size Hedge Trimmer..	\$25.00	\$103.00
40 in. size Hedge Trimmer..	\$27.50	106.50
60 in. size Hedge Trimmer..	\$35.00	114.00
Side Cutting Carriage for Hedge Trimmers .....		4.50
Lawn Clipper Attachment for Hedge Trimmers .....		18.00
30 in. size Lawn Weed Clipper, complete .....		35.00
40 in. size Lawn Weed Clipper, complete .....		40.00

## Simplicity Hedge Pruner and Trimmer

For Pruning Back Old Growth and Trimming New



## Simplicity Hedge Trimmer

For Fresh New Growth Only

With these tools you can actually do as much work in one hour as you formerly did in four hours with the old style pruner or lopping shears.

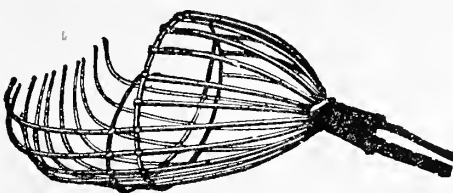
Simplicity cuts both opening and closing. Think of it! What a time and energy saver this is, with each complete movement of your hands you save 20 jolting, blistering and tiresome wacks the old pruner or lopping shear way.

The Simplicity Pruner and Trimmer can also be used for trimming with excellent results. Many home users have chosen it to do all their trimmings.

Pruner and Trimmer, \$6.00, postpaid; Trimmer, \$4.00, postpaid.

## Fruit Picker

This cut almost speaks for itself—the device, being so much like the human hand, shows at once the utility of the article. As a Fruit Picker it has no superior. It is made of heavy wire, and easily adjusted to a pole. Price 40c. 50c postpaid.



## Grass and Sheep Shears

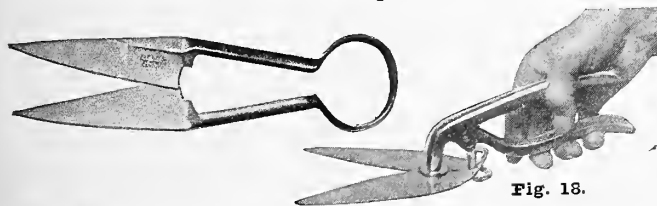


Fig. 18.

No. 346—Imported very good steel, 5½ in. Price, 50c. Weight, 1 lb.

No. 355—Fine polished; 5½ inch shears. Weight, 1 lb. Price, 75c.

No. 3074—Imported 5½ inch steel shears, full polished. Price, \$1.25. Weight, 1 lb.

No. 3075—The best shears; made of high tempered English steel. \$2.00 Parcel post weight, 1 lb.

No. 117—Grass Shears or Nippers. The latest thing in hand grass cutters. \$1.00, postpaid.



## M. & S. Water Ballast Lawn and Tennis Court Rollers

The proper roller for most any occasion; fill it with water or sand, which will weight it any number of pounds desired. Handle always in position ready for use; roller axle bearings. You can make it as heavy or as light as you wish. The drum can be filled with an ordinary garden hose, when through for the season pour the water out and the roller is easy to put away.

	Diam. In.	Length In.	Weight Empty. Lbs.	Weight Filled with Water. Lbs.	Price.
No. 601 .....	14	24	60	...	\$15.00
No. 602 .....	18	24	75	330	18.00
No. 603 .....	24	24	110	440	21.00
No. 604 .....	24	32	115	...	24.00

**Cast Steel Roller Bearing Lawn Roller**—To raise a velvety, thick lawn and keep it so the lawn-roller is a great aid. In the spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding, from the grass roots. No. 501—Diam. 15 in., 2 sec., weight 175 lbs., length 15 in., \$18.00. No. 504—Diam. 20 in., 2 sec., weight 250 lbs., length 20 in., 24.00. No. 507—Diam. 20 in., 2 sec., weight 300 lbs., length 24 in., 28.00.

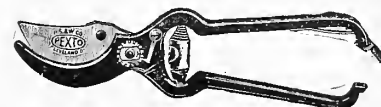
**Horse Lawn and Field Rollers and Other Size Hand Rollers**—Prices furnished upon application.

## Hand Pruning Shears

No. R-65, 9-inch—Full polished with ratchet and double flat brass spring. Weight, 2 lbs. Price, \$1.75.

No. R-70, 9-inch—Similar to illustration, with adjusting nut and regulating ratchet, steel blades of extra quality steel.

Price, \$1.50. Parcel Post weight, 2 lbs.



No. 50

No. 50, 9 inch—A good pruner; weight, 1 lb. 90c.

No. 14, 6 inch—Ladies' pruner, full polished, \$1.25. Parcel post weight, 1 lb.

Flower Scissors No. 575—Nickle plated. \$1.50.



Flower Scissors, No. 576.

No. 576—Imported, best finished, sure to hold flower after being cut. \$2.00, both postpaid. As illustrated.

**Solid Steel Hedge Shears**—12 in. All equipped with notch; the notch is very useful in heavy trimming or lopping. Handles bolted on, cannot come apart. Parcel post weight on all hedge shears, 3 lbs.

8-inch .....	\$2.25
9-inch .....	2.50
10-inch .....	2.75
12-inch .....	3.50

Hedge Shears.

**Ladies' Hedge Shears**—5½ inch cut. Price, \$1.50. Parcel post weight, 2 lbs.

**Lawn Shears, Imported**—Two wheels, 9-inch blade, long handle for cutting on narrow borders, under fences and shrubs. Price, \$4.50. Parcel post weight, 5 pounds.

**Border Shears**—Same as above, but the blades are shaped vertical for trimming borders. Price, \$4.25. Parcel Post weight, 5 pounds.

**Godwin's Grass Shears**—Fig. 18. They allow the operator to hold them in any easy natural position (as shown in engraving), thereby relieving strain which accompanies the use of the old model shears. Price, \$2.00. Parcel post weight, 2 lbs.



## PLANET JR. FARM AND GARDEN TOOLS

Are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.

### Planet Jr. No. 4 Combined Seeder and Cultivator

This tool combines in a single implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 inches apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. Price, \$18.00, 50 lb. No. 4-D (As a Seeder only), \$14.25, 40 lb.

### No. 25 Combined Seeder, Double and Single Wheel Hoe

As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high. Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price, \$21.50, 61 lb.

### The Planet Seeder Attachment No. 35

Will pay for itself in a short time because it saves seed by sowing accurately. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. It will drill a 10-cent package of seed just as accurately as a larger amount. The index is in plain view

and easily adjusted. The shoe is adjustable for any depth desired and the cover swings free. Attaches to any Planet Jr. Hand Cultivator. Sent postpaid. Price, \$6.50.

### No. 220 Planet Jr. Fertilizer Distributor

Saves fertilizer, time and labor and produce bigger, earlier crops. The vital importance of side-dressing vegetable crops with a good quick-acting fertilizer to produce quicker growth, more tender vegetables, and get those vegetables on the market earlier when prices are better; and the need of an efficient fertilizer distributor for this work, are the two important reasons for the development of the Planet Jr. No. 220 Fertilizer Distributor. In addition to distributing fertilizer efficiently, the No. 220 will give the same satisfactory service for many years. It is built to last. Price, \$27.00. Send for special circular.

### Star Pulverizer, Weeder and Cultivator

An improvement over the old style pulverizer. 50% lighter and very easy to handle. The star discs break up the soil and the oscillating blade—which works forward and backward—pulverizes and levels the soil, and at the same time cuts off the weeds directly beneath the surface. Can be used right after a rain to cultivate and will not leave the ground in a lumpy condition. 6 lbs.

Price, \$3.25

### Planet Jr. No. 12 Double and Single Wheel Hoe Combined

A double and single wheel hoe in one. Has steel frames, 14-inch steel wheel with heavy steel spokes and straddles crops until 20 inches high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. Price, \$10.75, 33 lbs. No. 11 PLANET JR.—Like the above, but in addition has one pair 4½ inch hoes, two 3-tooth rakes and two 5-tooth rakes. Price, \$13.75, 39 lbs. No. 13 PLANET JR.—Only equipped with one pair of 6-inch hoes. Price, \$8.00. The No. 12 is the most popular tool. 28 lbs.

### Planet Jr. No. 16 Single Wheel Hoe

These single wheel hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do. Nos. 16 and 17 have the same steel wheels, frames and handles, but the attachments sold with each vary. The handles are adjustable in height. The frame is steel, convenient and strong with a simple device by which to exchange the tools without removing the nuts. All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm. Price, \$9.00, 24 lbs.

### No. 17 Single Wheel Hoe.

Planet Jr. No. 17 Single Wheel Hoe—Same as No. 16, but has no rakes or leaf lifter. Price, \$7.75. Weight 24 lbs. No. 17½ PLANET JR. Equipped with hoes and leaf lifter. Price, 6.75. Weight 21 lbs. No. 18 PLANET JR.—Only equipped with one pair 6-in. hoes. Price, \$5.75. Weight 19 lbs. No. 19 PLANET JR.—Similar to above, but has higher wheel (15 inch), equipped with cultivator tooth, sweep, plow and 5 prgd. cultivating attachment. Price, \$6.00. Weight 21 lbs.

### No. 119 Planet Jr. Garden Plow and Cultivator

This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24-inch wheel 1½ inch wide. The plow is very strong, the cultivator tooth is good and wide, the 3-pronged Cultivator is excellent for breaking of the soil, the center tooth of same is removable, the scuffle hoe fine for weed cutting and the handles very strong and adjustable to suit adult or child.

Price, complete, \$4.75  
Weight 17 lbs.

### "Firefly" Garden Plow

Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards.

Weight, 14 lbs.  
Price, \$4.25.

72-PAGE PLANET CATALOG FREE  
Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.

## PLANET JR. FARM AND GARDEN TOOLS

### Planet Jr. One Horse Cultivators and Harrows

#### No. 100-D Planet Jr. Plain Cultivator

We offer this cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. It weighs but 42 pounds. It will stand hard usage and do excellent work. A steady running tool and easy to handle and adjust. Weight, 42 lbs. Price, \$8.25; with wheel, \$10.00.

No. 107D—Similar to the No. 100D but has seven teeth and lever expander. Price, \$11.75; with wheel, \$13.50.



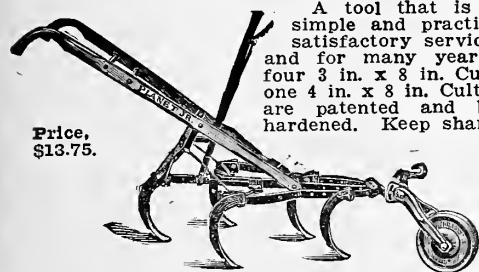
No. 100  
Cultivator  
with Cast  
Wheel,  
\$10.00.

No. 4 PLANET JR. PLAIN FIVE-TOOTH CULTIVATOR—This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with steel wheel, \$11.25, without wheel, \$9.25.

#### No. 9 Planet Jr. Plain Cultivator

A tool that is light and strong, simple and practical, and will give satisfactory service year after year, and for many years. Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel, which are patented and beveled; especially hardened. Keep sharp and add 50% to the wear. Tool is adjustable to any useful width by use of the lever expander, and every part is perfected to make the tool acceptable to the farmer who does not want to have to buy a cultivator every few years.

Price,  
\$13.75.



#### No. 9-D Plain Cultivator

Same as the No. 9, except that it does not include the wheel, but has all the other equipment, including the lever expander. Price, \$11.75.

#### No. 4 Planet Jr. Horse Hoe and Cultivator

This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. Price, with steel wheel, \$13.50; without wheel, \$11.50.



No. 4 Horse Hoe

No. 9 PLANET JR. HORSE HOE AND CULTIVATOR—Identical with the above, but has lever expander. Price, with steel wheel, \$15.50; without wheel, \$13.50.

No. 7 PLANET JR. HORSE HOE AND CULTIVATOR—Same tool as No. 4 and No. 9, but is also equipped with depth regulating level wheel. Price, \$17.00.

#### Planet Jr. Twelve-Tooth Harrow Cultivator and Pulverizer

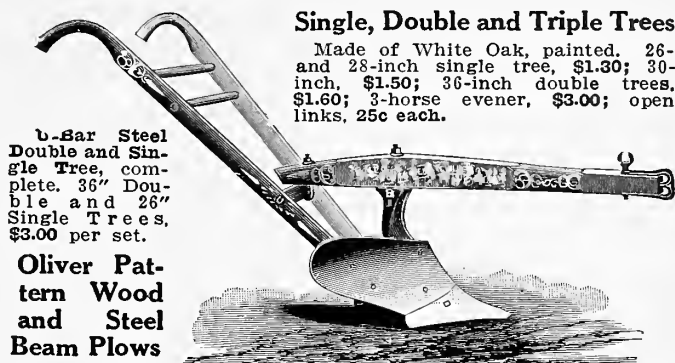
No. 90, complete, \$18.00; No. 90-B, without pulverizer, \$14.75; No. 90-D, without pulverizer or wheel, \$11.75.

The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inch. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.

#### Planet Jr. Cultivator Teeth.

1 1/4 x 8 in. Steels .....	.17	3 x 8 in. Steels.....	.22
1 3/4 x 8 in. Steels.....	.18	4 x 8 in. Steels.....	.27
2 1/4 x 8 in. Steels.....	.20		

"Planet Jr." 7-inch Hind Shovel, 35c; "Planet Jr." 8-inch Hind Shovel, 40c. Bolts for all Cultivator Teeth at 5c each.



b-bar Steel  
Double and Sin-  
gle Tree, com-  
plete, 36" Dou-  
ble and 26"  
Single Trees,  
\$3.00 per set.

#### Oliver Pat- tern Wood and Steel Beam Plows

	Wood Beam Plow	Steel Beam Plow	Slip Shares	Shares	Mould- boards	Wood Beams
No. A	....\$10.50	....\$10.50	....\$0.35	....	....\$0.70	....\$2.10
No. B	....12.75	....12.75	....45	....	....1.00	....2.75
No. 10	....16.00	....16.00	....60	....75	....1.05	....3.00
No. 13	....18.00	....18.00	....70	....85	....1.25	....4.00
No. 19	....19.50	....19.50	....75	....90	....1.35	....4.25
No. 20	....21.00	....21.00	....85	....1.00	....1.40	....4.50
No. E	....24.00	....	....85	....1.05	....1.45	....5.00
No. 40	....24.00	....24.00	....90	....1.05	....1.45	....5.00

In ordering, mention "Wood" or "Steel" beam, right or left-hand.  
**ROLLING COULTERS**—12 in. \$6.00; 13 in. \$6.25; 14 in. \$6.50. Handles, complete, for A to 10, \$2.20; 13 to 19, \$2.75; E and 40, \$2.75.

Single Handles, \$1.00 each. Rounds, 25c a pair.  
Bolts for Mouldboard, Landside, Shares and Jointers, 5c each.  
Prices for plows include extra Share and Wrench. The follow-  
ing are extra: Wheel, complete, \$2.00; Jointer, complete, \$4.50;  
Steel Beam Jointer, \$4.50. State if  
Wood or Steel Beam.

We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished upon application.

#### SHOVEL PLOWS

Single Shovel Plow, \$4.20.  
Double Shovel Plow, \$4.60.  
Triple Shovel Plow, \$6.60.  
Blades for same, 16c lb.

### Juicy Fruit Press



Fig. 2

A wonderful  
press for Fruits  
Grapes, Lard,  
Jellies, etc.

**Special Fea-  
ture**—All parts  
coming in con-  
tact with Fruit  
Juices are tin-  
ned with Pure  
Block Tin.

Press must  
be seen to be  
appreciated as  
it is in a class  
by itself.  
Size. Price.  
3 quarts  
(Fig. 1) \$5.25  
6 quarts  
(Fig. 1) 6.50  
12 quarts,  
with stand  
(Fig. 2) 8.00

Fig. 1

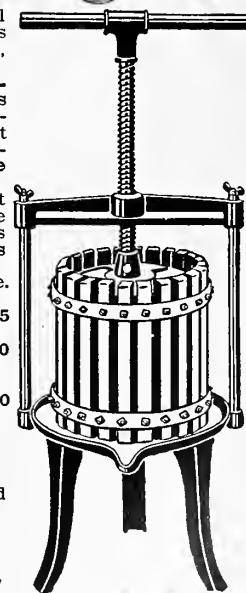


### Peerless Fruit Press

Made in various sizes, ask for illustrated circular.

#### Peerless Fruit Crusher

Has two adjustable iron rollers. Size of  
hopper, 19x19 inches. Price, \$7.00.



No. 12-D Peerless, \$9.00

## Success Flower Boxes

The Success Plant Box is made of strong galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect.

Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as, unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

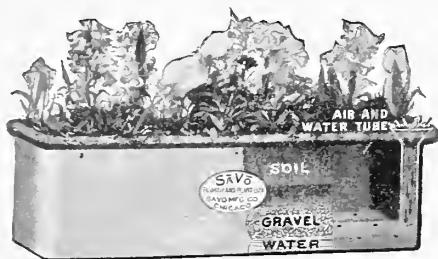
# Success Flower Boxes



	Length Inches.	Width Inches.	Depth Inches.	Weight Pounds.	Each.
Flower Boxes .....	24	8½	6¼	6	\$1.50
Flower Boxes .....	30	8½	6¼	7	1.75
Flower Boxes .....	36	8½	6¼	8	2.50

### Brackets for Window Boxes

	Per Pair.	Pounds.
No. 1—For setting on sill.....	\$0.80	3
No. 2—For hanging under sill.....	1.00	3
No. 3—For the porch rail.....	.50	1



## SaVo Boxes

Keep Plants Healthy the Year Round.

The most efficient, durable and artistic plant box made.

The SaVo Self-Watering Steel Flower and Plant Box is scientifically constructed under the sub-irrigation plan, which is the most perfect plan ever devised for the growth of any kind of plant life.

Model A—8 in. high, 9½ in. wide, 23 in. long.....	\$ 3.00
Model B—8 in. high, 9½ in. wide, 29 in. long.....	4.00
Model C—8 in. high, 9½ in. wide, 35 in. long.....	4.50
Model D—8 in. high, 9½ in. wide, 41 in. long.....	5.00
Model E—8 in. high, 12 in. wide, 12 in. long.....	3.00
Model F—12 in. high, 12 in. wide, 12 in. long.....	3.50
Model B—With stand, 30½ in. high.....	12.00
Model G—12 in. diameter, with stand 28½ in. high.....	6.00

These are outside measurements, including the ¾-inch roll rim. Beautifully finished in Aluminum or Dark Green.

## Pop Corn

There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping. White Rice—Lb. 15c. Special price in quantity.

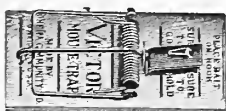


## Sheet-Iron Corn Popper

Parcel Post weight, 2 pounds. Price 50c.

M. & S. All Wire Corn Popper—25c. Parcel post weight, 1 lb.

## Rat and Mouse Traps



Victor Rat Traps—10c, postage 5c.

Victor Mice Traps—3, 10c, postage 5c.

Wire Cage Rat Traps—The kind that catches them alive. \$1.00 each, postpaid.

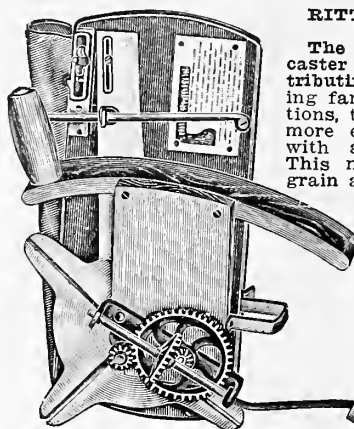
The Faultless Rat Trap—This trap will catch and kill them every time. 50c each. Parcel post weight, 1 lb.

Peerless Rat and Mouse Trap—Self-setting. Will catch many in one night. \$3.50 and \$3.00, respectively, postpaid.

## Grass and Clover Seed Sowers

### RITTENHOUSE DOUBLE FAN SEEDER No. 3.

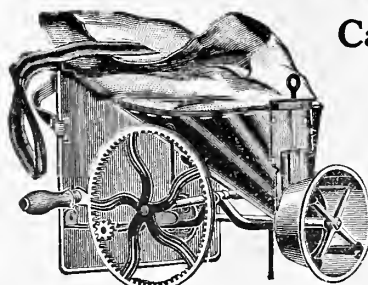
The most efficient hand broadcaster ever invented, double distributing wheel—The two distributing fans revolve in opposite directions, throwing the grain further and more evenly than from any seeder with a single distributing wheel. This means a more even stand of grain and a larger yield, that in one season pays the cost of the Rittenhouse Seeder many times over. The material used in making this seeder is of the very best—the seeder is well painted—runs very lightly—and lasts a lifetime. The Rittenhouse Seeder is suspended from the shoulder at the side, and is far more convenient to handle than seeders which must be hung around the neck. Price, \$1.75, postpaid.



## Cahoon Seed Sower

For sowing Grasses, Clover, Timothy, Millet, Oats, Wheat, Barley, Eye, Buckwheat, etc. Standard Seeder of the World—A Model for Accuracy and Durability—Malleable Iron Frame—Steel Hopper and Gate Brass Discharger.

Price, \$5.00, postpaid.



SEGMENT CORN PLANTER—Sliding Feed. Price \$2.50. Parcel Post weight, 6 lbs.

Picking Baskets—½ bushel size, 45c each.

White Oak Baskets—Side handled, 1 bushel \$1.40.

Splint or Chip Baskets—With handle, ¼ bu. size, 15c; ½ bu. size, 20c.

Pea Bags—Used by Anne Arundel farmers for bringing peas and beans to market. 20 each. For quantities write for price.

Strawberry Boxes—1 qt. size, 10c doz.; per 100, 75c. Per 1,000, prices furnished on application.

Trace Chains—7 ft., straight link, hook or ring. Price \$1.75 pair. No. 2 cheaper grade \$1.50.

Cow Chains—Tieing out, No. 1 20 ft. 60c; No. 00 heavier grade 20 ft. 75c; No. 00 30 ft. \$1.00; Stable ties, 4½ ft., price 50c.

Back Bands—Cotton duck with snaps 42 in. 75c each; Same with Loop 90c each.

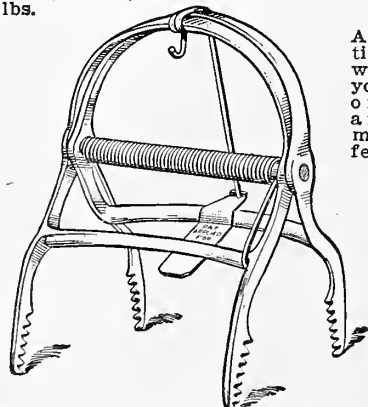
## Little Giant Mole Trap

Fig. 21

The simplest, safest and surest mole trap ever invented. Self-setting. Price, \$1.00, postpaid.

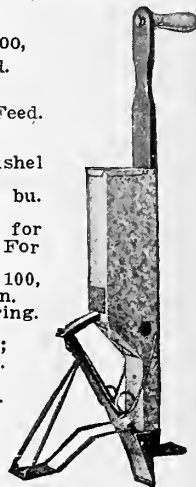
## Out-o'-Sight Mole Traps

The most complete in existence. \$1.25 each; doz. \$13.50. Parcel Post weight, 3 lbs.



Out-o'-Sight Mole Trap.

**MOLO**—A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c, postpaid.



Segment Corn Planter

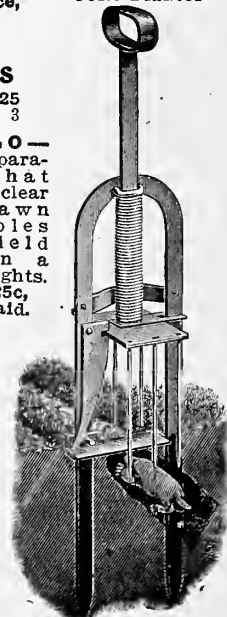




Fig. 6

**GERMO FLY SHOO**—Make your cows and horses comfortable by using it regularly. Won't blister or injure hair. 1 qt. 50c; 2 qts. 75c; 1 gal. \$1.75.

**RICE'S CALF WEANER**—Fig. 6. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 40c; No. 2, for heifers, 65c; No. 3, for cows, \$1.00; postpaid.

**BULL RINGS**—Copper, 40c apiece. 3 inch. Postpaid.

**BAG BALM**—For all diseases of the cow's udder and teats there is no remedy so quick and certain in its curative powers as Bag Balm. 60c, postpaid.

**KOW-KARE**—Valuable for run-down cows. 65c, \$1.25, postpaid.  
**CALF MEAL**—The best milk substitute. 1 lb. 8c; 25 lbs. 75c; 50 lbs. \$3.25; 100 lbs. \$6.50.

**PRATT'S ANIMAL REGULATOR** is a regulator, digestive and mild tonic. The ingredients consist of pure medical roots herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion. Pkg. 25c, 50c and \$1.00; 12-lb. pail, \$2.15; 25-lb. pail, \$3.40; 50-lb. drum, \$5.85; 100-lb. drum, \$11.40.



**\*PRATT'S WORM POWDER**—For destroying worms in horses, cows, hogs and sheep. Box 50c. Weight, 1 lb.

**BITTER LICK**—For horses and cattle of all kinds. Price of brick, 35c.

**HOLDERS FOR BITTER LICK BRICK**—Made of iron and japanned black. 30c each.

## Oils and Axle Grease

Harness Oil "Eureka"—Pt. 35c.

Cream Separator Oil—2 qts. 75c; 5 gals. \$4.50.

Harvesting Machine Oil—Gal. \$1.00.

Gasoline Engine Oil—Gal. \$1.25.

Household Lubricant Oil—In can with spout ready for use. 25c. Empty can like Fig. 4 fits field mowers—15c each. Parcel Post weight, 1 lb.

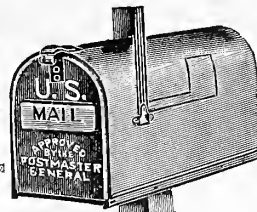
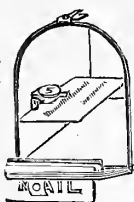
Mica Axle Grease—Tin can, 25c; 3 lb. can, 40c; 15 lbs. \$1.60.



Fig. 4

## Rural Mail Boxes

22. Gauge Galvanized Steel, without Inner Galvanized Box. Box

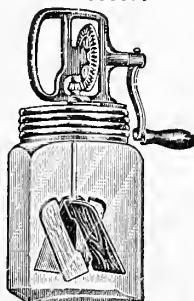
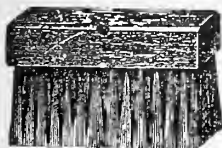


has a Letter and Coin Holder for mailing Letters when not supplied with stamps; Reinforced Roller Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the box. Price, \$1.75. Parcel Post weight, 8 lbs.

## Brooms and Brushes

Plain Corn Brooms, extra quality... 75  
Bass Push Broom, 14 inches. (See cut) ..... 1.00

Handles for Push Brooms, 25c each.



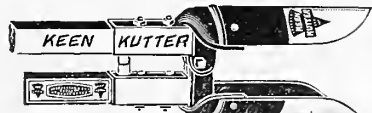
## Dazey Glass Family Churn

Fig. 2. Easy running, easy to clean, produces the finest butter that can be made.

No. 20G, churning 1 qt. \$2.00; No. 30G, 1½ qts., \$2.25; No. 40G, 2 qts. \$3.00. Add 25c each size if to be sent by Parcel Post.

## Posthole Digger

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets, 4 in. deep; select ash handles with graduation marks in ft. burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter. Price, \$2.25.



"Keen Kutter" Posthole Digger

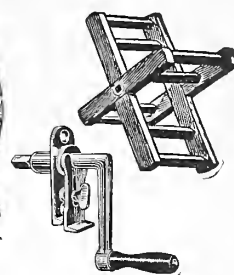
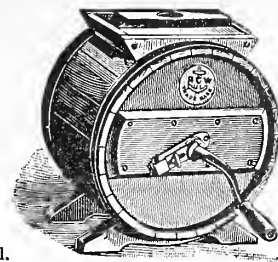
## IMPROVED CEDAR WOOD CYLINDER CHURN

No. 1—3 gal. \$3.75.

No. 2—4 gal. \$4.50.

No. 3—7 gal. \$5.25.

No. 4—10½ gal. \$6.00.



## Baltimore Pattern Hand-Made Butter Print

This Butter Print is hand-made out of solid hardwood, and is put together with brass screws, making it indestructible. Being a two-piece print makes it very handy to use. ½-lb. Sheaf of Wheat Print, \$1.25; weight, 1 lb. 1-lb. Sheaf of Wheat Print, \$1.50; weight, 2 lbs. ½ lb. Special Prints, carved with Initials, on application.

### SEELEY PATTERN BUTTER PRINTER

Furnished with sheaf of wheat. Movable block. ½ lb. 75c. Weight, 1 lb. 1 lb. 90c. Weight, 2 lbs.

**PARCHMENT BUTTER PAPER**—Cut for pound and half-pound prints. Price, 35c lb. Special price on quantities.

**WELLS, RICHARDSON & CO.'S BUTTER COLOR**—The best butter color on the market. Small bottle, colors 500 lbs. 35c; large bottles, 75c and \$1.40.

**FLOATING DAIRY THERMOMETER**—30c; postpaid, 35c. Prices Subject to Change Without Notice.

## Thrift Jars

Lighten labor, save time and prevent spoilage. They are easily sealed before processing and the seal is tight and permanent.

### Price List

No. 33—Quarts with caps, \$1.40 per doz.

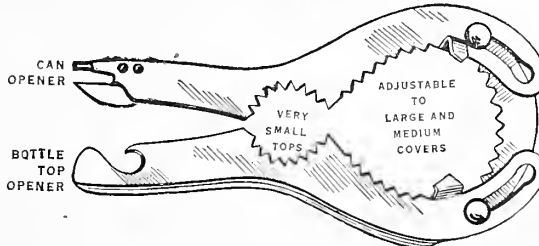
No. 32—19 oz. with caps, \$1.15 per doz.

No. 3—Sealer, \$2.50 each.

No. 3—P Caps, box of 6 dozen, \$2.15.



## "Sure Grip" Adjustable Jar, Bottle and Can Opener



### OPENS EVERYTHING IN JARS, BOTTLES AND CANS

Needed in every home. In use the year round. Adjustable to all sizes of jars bottles and cans. Price, 25c, postpaid.

## Grape Protecting Bags



If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will save from insects, rot, birds, etc. All ready to fasten. No. 2 the right size for our domestic grapes. Price, 10c doz.; 50c 100; \$4.25 1,000. Prices on larger bags on application.

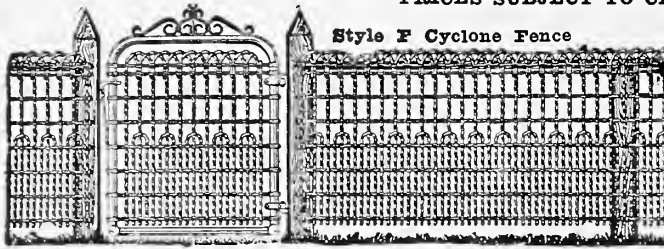
Parcel Post weight, 2 lbs. per 100; 15 lbs. per 1,000.

Bag all grapes to keep them from insect stings.



## NORWOOD AND AMERICAN SANITARY WIRE FENCING

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.



No. 600 is the most popular sanitary wire fence. Pickets are all Nos. 9 and 12 heavily galvanized wire. The line wires are spaced 1½ inches apart at bottom, 3 inches at top, making fence absolutely chicken tight. Regular heights are 36 inches, 42 inches and 48 inches.

Price per lineal foot, No. 600, 36 in., 16c; 42 in., 18c; 48 in., 22c. Full 10 or 20 Rod Rolls less 10 per cent.

Three-foot Ornamental Walk Gates to match, \$4.25 each. 3½ ft. 5 per cent and 4 ft. opening 10 per cent higher.



No. 2 Tree Guard—Made of No. 7 heavily galvanized wire woven together with No. 12 galvanized cable wire, 12 inches diameter 72 inches high. Price, \$1.50.

## Drive Gates

Single Ornamental Drive Gates 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$8.50, \$9.50 and \$11.50.

Double Ornamental Drive Gates, 8, 10 and 12 ft., height 36, 42 or 48 in. Prices, \$9.50, \$11.50 and \$12.50.

Storage  
or Ash  
Can

Galvanized, deep cover, rat and damp roof. Excellent for storing grain or dry mash. No. 67, capacity, 2½ bu.

Price, \$2.50.

## Wire Hanging Baskets

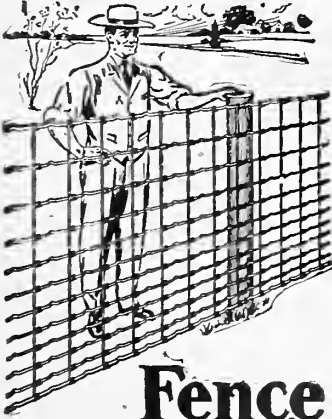
Help make the city beautiful by installing wire hanging baskets and window shelves filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

Baskets, 8-in., 25c; 10-in., 35c; 12-in., 45c. Parcel Post weight, 2 lbs. each.



Wire Hanging Basket

## American



## Fence

Keen Kutter Post Hole Digger—See page 65.

## "AMERICAN" POULTRY AND STOCK FENCE

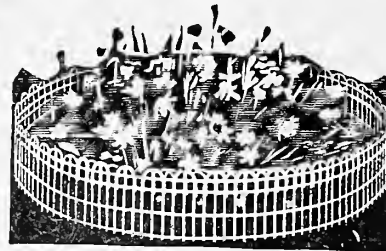
"American" Poultry and Rabbit Fence—For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet, 48-in., \$7.25; 58-in., \$8.00.

## Banner Poultry Fence:

36-in. 165 ft. ....\$5.25  
48-in. 165 ft. .... 6.25  
60-in. 165 ft. .... 7.25  
72-in. 165 ft. .... 8.25

## Field Fence:

726x6. 165 ft. ....\$6.25  
726x12. 165 ft. .... 4.75  
1047x6. 165 ft. .... 9.50  
1047x12. 165 ft. .... 6.75

Perfection  
Flower-Bed  
Guard

Fits any shape or size of flower-bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in three heights. Price per lineal foot: 16-in., 9c; 22 in., 11c; 28 in., 12c.



FIG. 1

## Wire Trellis Fig. 2

Just the thing for climbing plants and flowers. Cut to any length; fits any porch. The most inexpensive practical trellis made. Furnished in three widths. Price per lineal foot: 18 in., 7c; 24 in., 9c; 30 in., 11c.

Norwood Rubbish  
Consumers

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

No. 2—Height 22 in.; diameter 15 in.; weight 7 lbs. Price, \$1.75.

No. 3—Height 20 in.; diameter 18 in.; weight 9 lbs. Price, \$2.25.

No. 4—Height 31 in.; diameter 21 in.; weight 12 lbs. Price, \$3.50.

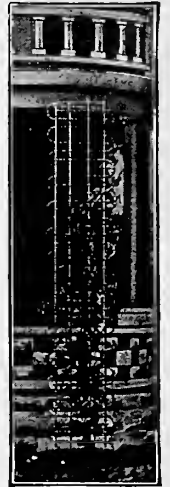


FIG. 2

Diamond Mesh  
Poultry Netting

Put up in rolls of 150 running feet. Galvanized after weaving.

	2 in. No. 20.	1 in. No. 20.
	Wire.	Wire.
1 foot .....	\$1.45	\$3.25
18 inch .....	2.10	4.75
24 inch .....	2.70	6.25
36 inch .....	3.65	8.25
48 inch .....	4.75	11.25
60 inch .....	6.00	14.25
72 inch .....	7.00	17.00

2 inch less than roll lots 1½¢ square ft.; 1 inch, 3½¢. Price subject to change without notice.

Poultry Wire Staples, 10c per lb.

Prices on all kinds of wire and steel goods subject to change without notice.

Illustration of 2-inch  
Diamond Mesh  
Poultry Wire

## Galvanized Steel Fence Posts

CHEAPER THAN WOOD AND MORE DURABLE—Galvanized Inside and Out

	Length —Feet.	Approx. Wgt.—Lbs.	Price.
Line Post .....	5	7.4	.67
Line Post .....	6	8.4	.70
Line Post .....	7	10.	.80
Line Post .....	8	11.4	.95
10 End Post .....	7	51.	4.00
10 End Post .....	8	59.	5.00
10 Corner Post .....	7	75.	6.50
10 Corner Post .....	8	86.	7.00
Ball Tops for Line Posts .....			.30
Ball Tops for End and Corner Posts .....			.50
Driving Caps for Line Posts .....			.55



American Galvanized Steel Fence Post.

## M. & S. POULTRY SUPPLY DEPARTMENT

We carry everything in the line of Poultry Accessories and we cheerfully give free advice how to raise Poultry profitably. M. & S. Wonder Bred Chicks during February, March, April, May, and June (see page 78).

# Lectro-hatch

### ELECTRIC INCUBATORS



**Lectro-Hatch Price List**  
65-egg capacity, \$23.50;  
150-egg, \$38.00; 300-egg, \$67.00; 600-egg, \$118.00. When ordering give state voltage.

Use a Lectro-Hatch Electric Incubator and say good-bye to work and worry in hatching. Chicks are as strong and sturdy on the first day as ordinary chicks from four days to a week old. You attach the incubator cord to an electric light socket. Then you adjust the machine to hold hatching temperature by giving one or two turns to a small thumb nut. After that the Regulator, which is an exclusive feature watches the temperature for you.

**Lectro-Hatch Electric Incubator Elements**  
Lectro-Hatch Elements are specially made by electrical experts to exactly fit your

Incubator according to specification. When ordering give us the following information: Make of Incubator, Egg Capacity, Shape of Incubator (Round, Square or Oblong), Length of Top Wall or Lid (Inside), Width of Top Wall or Lid (Inside), Thickness of the Top Wall or Lid, Depth of Egg Chamber (Distance inside from Lid to Egg-Tray), Voltage Electric Power to be used. **Prices:** Any size Incubator up to 150-egg Capacity, \$12.50; Over 150 and less than 400-egg Capacity, \$15.00, postpaid.

## Lectro-hatch Electric Brooder

Just turn an electric socket button and the Lectro-Hatch Brooder begins to warm up. Same device to maintain constant, even heat as in Lectro-Hatch Electric Incubators. No danger of overheating or fire. No lamps to fill, no stoves to tend, no ashes to carry out. No muss or dirt. Lectro-Hatch Brooders really cost less to operate than other style brooders.

**Price:** 28 inch diameter, 150 chick capacity, \$18.00; 40 inch diameter, 500-chick, \$23.50. When ordering, state voltage.



## Cyphers Center Lamp Portable Hover

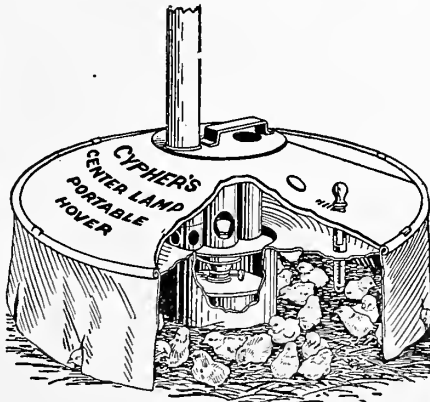
The experience of thousands goes to prove that the Cyphers Center Lamp Hover will bring to vigorous maturity practically every healthy chick committed to its care.

### Specifications

Capacity...100 chicks  
Weight, net...24 lbs.  
Weight,  
In carton...30 lbs.  
Diameter of  
Hover...28 in.  
Hovering  
space...540 sq. in.  
Height, without  
stack...14 in.  
Height, floor to  
top of stack...36 in.

### Equipment

Hover, Curtain,  
Lamp, Lamp Bracket,  
Thermometer, Stack—all complete to operate except the oil.  
**Price, \$15.00.**



## Standard Cyphers Incubators

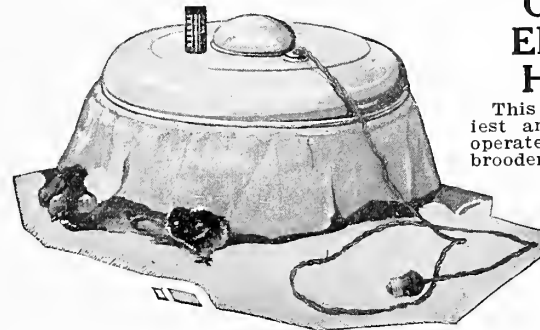
**CYPHERS INCUBATORS** are built to hatch and to last. With proper care—the same care you would give a valuable piece of household furniture—a **Standard Cyphers** will last an ordinary lifetime. They are guaranteed by us to last **ten years** without repairs. We make this guarantee because they **have lasted** much longer than this—and are still doing first-class work.

**Prices:**  
No. 1—144 Eggs, 42.00  
No. 2—244 Eggs, 56.00  
No. 3—390 Eggs, 69.00



## Oakes Electric Hover

This is the handiest and easiest to operate of any brooder you ever saw. Its operation is as near automatic in every way as possible. No lamp to bother with, no fumes or smoke to



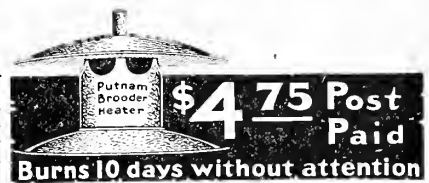
stunt the chicks, no extreme fluctuations in temperature. Furnished complete with automatic regulating attachments, brooder thermometer and curtain.

Capacity, 50-75 chicks. Price, each, \$13.50. Shipping wt. 13 lbs.

## The Putnam Brooder

This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater. A boy can make the brooder in an hour with saw and hammer. The materials need not cost over 25c.

The Putnam Brooder Heater is made of brass and galvanized iron. It is practically indestructible. Price of Putnam Brooder Heater Galvanized, \$4.75 postpaid. Aluminum \$6.25 postpaid. Illustrated circular on request.



**\$4.75 Post Paid**

**Burns 10 days without attention**

## Practical Poultry Books

ALL POSTPAID.

The Campines .....	.75	Profitable Culling and	
The Orpington .....	.75	Selective Flock Breeding	1.50
Rhode Island Reds .....	.75	How to Feed Poultry for	
Successful Back Yard		Any Purpose With Profit	1.25
Poultry Keeping .....	1.00	The Fundamentals of	
Artificial Incubating and		Poultry Breeding .....	2.00
Brooding .....	1.00	Rabbit Culture and Stand-	
The Plymouth Rocks,		dard .....	.50
Wyandottes, Leghorns,		Town Lot Poultry Keeping ..	.50
each .....	1.00	<b>The Standard Book of Per-</b>	
Asiatics .....	.50	fection—Everybody who raises	
Houses and Fixtures .....	1.00	poultry should have one of	
Turkeys, Their Care and		these books. Price, \$2.75.	
Management .....	.75	Reliable Poultry Journal and	
Artificial Light to Increase		Poultry Item monthly maga-	
Winter Eggs .....	1.50	zines.	
Ducks and Geese .....	2.50	Yearly subscriptions \$1.00	
		each. Single copy 15c.	

# NEWTOWN Colony Brooders

## will Increase Your Poultry Profits

### Coal-Burning Brooders Give Wonderful Results

The Newtown Coal-Burning Brooder is a sensation. It has given poultry-raisers a new idea of chick-raising efficiency. It has produced results that are almost unbelievable. This is because of Newtown's advanced design. It is the result of 25 years of brooder building. In all parts of the country it is producing phenomenal results.

#### BIG EXCLUSIVE FEATURES

Newtown is noted for its wonderful exclusive features. It has an extra big, self-feeding coal magazine, an extra big fire bowl, a large combustion chamber and Double Check Draft—thermostatically controlled.

When you think of these features you can see how Newtown is built to brood chicks under every emergency. It gives a marvelous amount of heat. It cares for all your chicks regardless of weather conditions. It burns soft coal satisfactorily, as well as hard coal. And Newtown holds the fire. It doesn't require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

#### LESS WORK AND ATTENTION

Newtown is economically to operate. It saves time and work. It's easy to coal. The heat regulator is self-regulating. The Deflector is conveniently hinged to permit easy access to the stove.

#### Three Sizes

Model.	Chick Capacity.	Diameter of Hoyer.	Price.
No. 7	Up to 300	48 inches	\$25.00
No. 11	Up to 500	50 inches	32.50
No. 12	Up to 1,000	56 inches	40.00

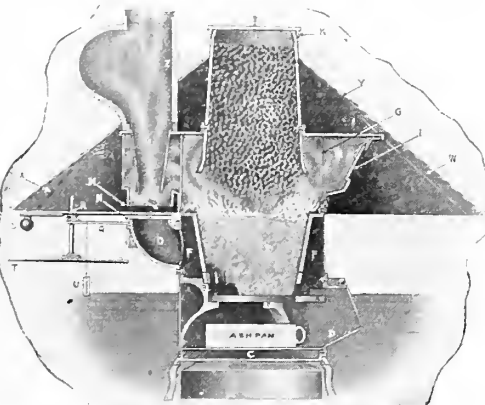
The No. 7 was designed especially for single room brooder houses approximately 6x8 to 10x12; the No. 11 for approximately 240 square feet and the No. 12 for approximately 400 square feet of space. The No. 11 is considered the ideal size.

Ask for Descriptive Bulletin.

- A—Grate (Ring Grate and Slide Center).
- B—Grate Rest.
- C—Air Space Between Double Bottoms.
- D—Sloping Surface to Ash Pit Door.
- E—Ash Pit Door.

- F—Air Space Between Fire Bowl and Metal Jacket.
- G—Opening Between Combustion Chamber and Radiator.
- H—Radiator.
- I—Observation Door.
- J—Coal Magazine.
- K—Magazine Cap.

- L—Smoke Box Ell.
- M—Check-Draft Opening.
- N—Main Draft Opening.
- O—Lower Draft Elbow.
- P—Damper Discs.
- Q—Regulator Support.
- R—Adjusting Nut.
- S—Counter-Balance Weight.
- T—Thermostat.
- U—Thermometer.
- V—Sand Ring.
- W—Deflector Lid.
- X—Small Door in Canopy.
- Y—Canopy.
- Z—Smoke Box Clean-out.



Cross Section View of No. 12.

\*NOTE—The No. 7 Smoke Box Ell is slightly different than on the Nos. 11 and 12. Instead of having a clean-out, the soot, etc., is turned into the fire.

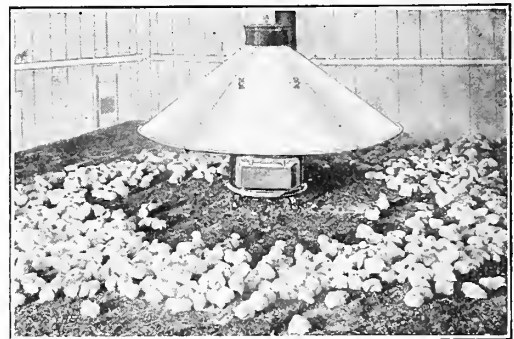
In ordering Repair Parts always give Number of Brooder Stove and Name of Part Wanted.

### Newtown Coal Burning Colony Brooders

The Newtown Coal Burning Colony Brooder needs no introduction to poultrymen. It was the first coal burning, self feeding, self regulating colony brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every State in the Union and eleven foreign countries, and represents the modern up-to-date brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor saving.

**CONSTRUCTION**—Made of best grade heavy heat retaining castings.

**EASY TO OPERATE**—Nothing complicated—full instructions furnished with each brooder. Automatic Regulator controls the drafts and no change in weather is too sudden for its adjustment.



#### Happy and Contented Under a Newtown Mother.

**SAFE**—Hot coals cannot roll out of the ash pit door into litter. Has a double bottom, with dead air space, and a heavy metal casing which prevents chicks from scratching litter against the hot firebowl.

**ECONOMICAL**—Built to last a lifetime. Firepot and combustion chamber designed to burn all gases, greatly reducing fuel cost.

**LABOR SAVING**—Requires little attention. Magazine holds sufficient fuel to last 24 to 36 hours. Turning one small adjusting nut enables one to secure any desired temperature. Deflector is not disturbed in coaling. Hinged deflector lid gives easy access to ash pit door. Smoke box ell prevents soot or other foreign matter falling down smoke pipe and interfering with draft regulation.

Vineland, N. J., Oct. 11, 1926.

Newtown Incubator Company,  
Harrisonburg, Va.

Gentlemen:

It didn't take a long trial to prove that the Newtown was almost human in the way it looked after itself. Through the carelessness of my men at different times, the door at the bottom has been left open—at other times the griddle at the top has been left off, but under all conditions the fire has remained in good shape and the regulator certainly does regulate. I now use nothing but Newtown No. 11 Brooder Stoves and feel sure every night, whether cold, warm or windy, that my stock are comfortable.

Yours very truly,

A. G. WHETSEL,  
The Pinehurst Fruit & Poultry Farm,  
Vineland, N. J.

Fremont, N. H., Oct. 5, 1926.

Newtown Giant Incubator Company,  
Springfield, O.

Gentlemen:

I hatch all my baby chicks in Newtown Giant Incubators and raise them under No. 12 Newtown Brooders. I have several kinds but much prefer the Newtown, especially for cold weather as the fire keeps well and with less labor and fuel. I always advise my customers to buy the Newtown Brooders.

JAMES TOWLE, Prop.,  
R. I. Red Poultry Farm,  
Fremont, N. H.

#### GUARANTEE

Newtown Brooders are guaranteed to give satisfaction. Try any size for 30 days. If you are not satisfied, your money will be refunded.

# BUCKEYE Incubators-- HATCH MORE CHICKS

Buckeye Incubators give results that cannot be secured with any other incubator. They hatch more chicks. They hatch bigger, stronger, better chicks.

The Buckeye Hot Water Heating System is the system that insures absolutely correct temperature being maintained every minute of the incubation period. It insures the heat being uniform over the entire egg tray. There are no underheated eggs—no overheated eggs. The air in the Buckeye egg chamber is always fresh and pure. It is always moist. It isn't dried out. The Buckeye system retains all the natural moisture in the air.

## Patented All-Metal Thermostat

The greatest contribution to artificial incubation is the patented Buckeye All-Metal Thermostat. It prevents that harmful fluctuation in temperature that kills the chicks in the shell. It gives absolute control of the temperature in the egg chamber regardless of changes in outside temperature. It insures the maintaining of the necessary temperature in the egg chamber at all times. This wonderful Thermostat is all-metal. It doesn't go wrong; it doesn't wear out; it is always sure and reliable.

## Guaranteed

Buckeye Incubators are guaranteed. Any incubator or part thereof that does not fulfill our guarantee will be replaced any time within forty days.

**MORE THAN 700,000 SATISFIED USERS PROVE BUCKEYE'S HATCHING ABILITY**

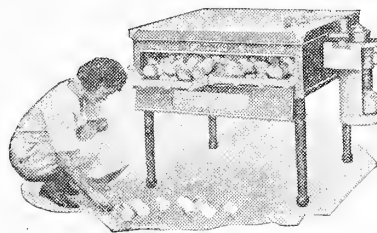
### Neighbors Are Amazed

I have run one of your No. 1 Standard machines this year, and find it to be by far one of the very best on the market. I operated this machine and at the same time taught school during the month of March, so you see it was very easy. My hatches with this machine averaged around 90 per cent of the fertile eggs. I have made sales of two of your machines to my nearby neighbors. They have been amazed at the wonderful results I have had with my Buckeye.

SAM GAMBILL,  
Lansing, N. C.

**USED BY AGRICULTURAL COLLEGES AND GOVERNMENT EXPERIMENTAL STATIONS**

## Six "Standard" Models



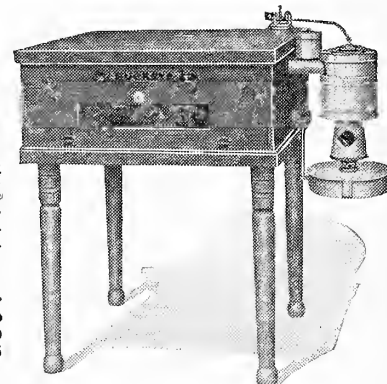
California Redwood is used exclusively in the outside walls. The top and sides are two pieces of seasoned lumber with corrugated insulation between. The patented lamp and lamp support meet the requirements of the Insurance Underwriters' Laboratories. This insures an incubator that is absolutely fireproof.

Model.	Capacity.	Price.
No. 1 .....	110 egg	\$37.50
No. 2 .....	175 egg	44.50
No. 3 .....	250 egg	57.75
No. 4 .....	350 egg	68.00
No. 5 .....	600 egg	107.00
No. 40 .....	1,144 egg	250.00

## Three Style "E" Models

A quality incubator at exceptionally low prices. The walls are made of California Redwood. The top is two pieces of seasoned lumber with corrugated insulation between.

Model.	Capacity.	Price.
No. 14 ....	65 egg	\$16.50
No. 16 ....	110 egg	27.50
No. 17 ....	210 egg	36.75



# Buckeye Brooders Raise More Chicks

## Improved Coal-Burning Brooder

The Improved Coal-Burning Brooders give the greatest values ever offered. The prices are drastically reduced. The brooders are improved. The stoves are larger. They hold more coal. They give more heat. They burn soft coal or hard coal longer with one fueling. The Double Check Draft—thermostatically controlled—insures the holding of a continuous fire. The Revolving Hover saves time and work. Every attention can be given the brooder without raising the hover or disturbing the chicks.

### Three Models

Model.	Actual Chick Capacity.	Diameter of Hover.	Price.
No. 117	Up to 350	42 inches	\$16.50
No. 118	Up to 500	52 inches	21.50
No. 119	Up to 1,000	56 inches	26.50

(Prices slightly higher in Western Canada)

## Most Efficient Oil-Burning Brooder

Buckeye is the most efficient Oil-Burning Brooder ever devised. It has a wick burner. There is no "oil-leveling" mechanism to go wrong. There are no valves or levers to fuss with and adjust. There's no priming necessary. It is as safe, reliable and simple to operate as a high grade kitchen oil stove. Simply light the burner and the job is done. It stays lighted. It stays regulated.

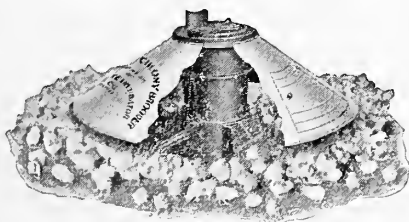
Buckeye has the patented "Diafram" Heat Conveyor—a device attached to the hover that insures radiation of the heat to all the chicks. It means all the heat is used and all the chicks are cared for better.

### Three Models

Model.	Actual Chick Capacity.	Diameter of Hover.	Price.
No. 27A	Up to 200	34 inches	\$17.50
No. 80	Up to 350	42 inches	19.00
No. 81	Up to 500	52 inches	21.50

(Prices slightly higher in Western Canada)

Reduced Prices  
As Low As  
\$16.50  
Slightly Higher in  
Western Canada.



## Guarantee

Buckeye Brooders are guaranteed to do all we claim. Try any size for 30 days and if not satisfactory your money will be refunded.





## Everlastic Rubber Roofing



Look at the label before you buy! If the label reads "Barrett Everlastic Roofing" you are perfectly safe. You are sure of a moderate-priced roof that will give many years of satisfactory service.

Medium—108 sq. ft., width 3 ft., guar. 10 yr. \$2.50  
Heavy—108 sq. ft., width 3 ft., guar. 15 yr. 3.00

## Mineral Surfaced Roll Roofing

Everlastic—Red, Green or Blueblack. Weight 90 lbs. \$2.50.

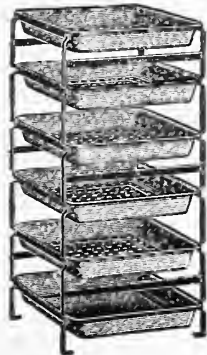
Vitex—Red or Green. Weight 75 lbs. \$2.25.  
Both 108 sq. ft. 3 ft. wide.

Prices on Roofing Subject to Change Without Notice.

## Barrett Liquid Elastigum

Barrett Liquid Elastigum is a cement in liquid form that gives new life to old roofs. It forms a tough, impervious coating over the entire roof, closing cracks and small holes that would otherwise admit moisture, thus making the roof practically one solid piece and, as far as utility goes, almost as good as new. It spreads readily and any one can apply it. Price, \$1.25 per gal.; 5 gal. \$4.00.

## National Oat Sprouter



Steel frame, well braced and painted. With six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons. Total height, 3 ft. Size of pans, 16x18 inches.

No. 01—Oat Sprouter. Each.....\$6.50

## The Little Egg-Getter Oat Sprouter

The Little Egg-Getter Is the Biggest Little Proposition Ever Made in a Vapor-Bath Grain Sprouter.

Made of galvanized sheet steel, supported by a cypress frame—the wood that never rots. Constructed as genuinely as any other vapor bath sprouter, with vapor pan, glass front doors, ventilation, one-piece all-metal aerated trays, etc. Has 4 compartments as needed. Fitted complete

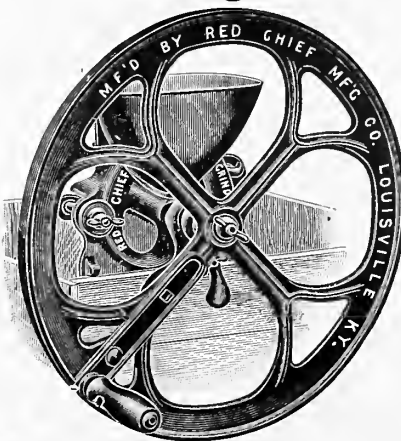
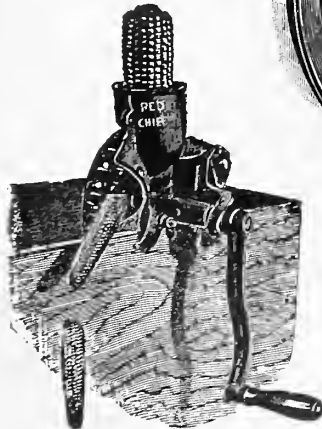
with lamp, thermometer, partitions and directions. For 40 hens or less. Delivered prepaid by parcel post for only \$7.95. Special circular on request. Constructed like the close to nature.

## "Red Chief" Grinding Mills

No. 1—For Small Poultry Raisers. Price, \$4.00.

No. 5—With large capacity, feed gauge and fly wheel. Clamps to box. Price, \$7.75.

No. 10—With feed gauge, fly wheel and handsome stand to screw on table. Price, \$9.50.



## "Red Chief" Corn Sheller

This sheller is guaranteed to do good work. It is heavy in construction, with patent oval-shaped teeth which are so arranged to shell more rapidly and avoid injuring the grain, thus making it safe for shelling seed corn. Adjusts itself to any size ear. Price, each \$2.75; weight, 12 pounds.

## Oakes Electric Fountain Heater

Keeps drinking water from freezing even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain, pan, crock or bucket. Set water vessel on heater and turn on current. That's all there is to it! No adjusting! No regulating! No watching! Pays for itself in winter eggs. Heater is 8 inches in diameter, 1½ inches high and made of heavy galvanized metal. Built for service. Money promptly refunded if unsatisfactory after ten days' trial. Price, \$1.75; postpaid, \$1.85.



## Collins' Oat Sprouters

### FRESH GREEN FOOD KEEPS THE CHICKENS LAYING

Every chicken raiser knows that sprouted oats can be grown without lamp—use the natural heat of the house.

8 Pans 11x15 the Popular Size. Weight 14 lbs. ....\$4.00  
5 Pans 11x15 Small Back Yard Flock. Weight 9 lbs. ....3.00  
8 Pans 11x32 for Big Business. Weight 28 lbs. ....8.00



CLOSE-TO-NATURE HEATED GRAIN SPROUTER — Double quick. The most efficient and economical sprouter ever invented. Heated by lamp; safe, built for zero temperature. No.

4, 2 bus. or 64 qts.,

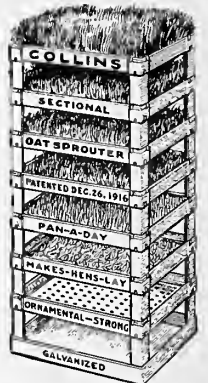
6 trays, for 200 to 300 hens, \$26.00;

No. 3, 1 bu. or 32 qts., 5 trays, for 100

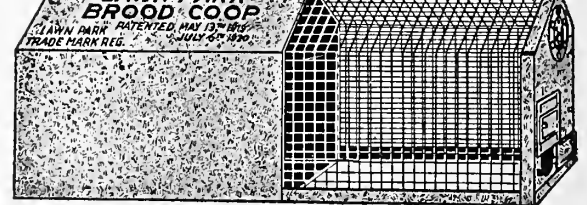
to 150 hens, \$19.00; No. 2, ½ bu. or 16

qts., 4 trays, for 50 to 75 hens, \$13.00.

No. 1, 8 qt. 25-30 hens, \$10.00.



## LAWN PARK BROOD COOP IT TELESCOPES!



PROTECTS THE CHICKS FROM HAWKS, RATS, WEASELS, VERMIN, COLD, STORM, ETC.  
SAVES TIME, WORK AND WORRY.

The "Lawn Park" Brood Coop. Pat. May 13, 1919.

The "Lawn Park" is large and roomy, being 18 inches wide, 19½ inches high, and 48 inches long, with park extended. The coop and the park are of equal length. The park permits the chicks to have plenty of sunshine and fresh air, and also allows them to range on grass. Can be moved from place to place easily, thus giving them a fresh supply daily. Coop has removable bottom for quick and easy cleaning. Made of metal; will last years. \$4.00 each. Cannot be sent by parcel post.

### "PROTECTO" BROOD COOP

This coop can be turned to fresh ground with no trouble, without interfering with hen and chicks. It is built of the best quality lumber tongue and grooved which makes it draft-proof and rain-proof. It sets off the ground and is painted with the best of paint. The patent turning device is simple, will last a lifetime and can easily be operated by a child. Give your baby chicks a chance. Shipped knocked down and can easily be set up by anyone in a few minutes. Price, with 4 ft. yard, \$8.50. Express or freight only.



## Little Putnam Stove for Poultry Fountains and Oat Sprouters

This little device will keep water from freezing in zero weather. It holds 6c worth of oil and burns a month without filling or trimming. Fool proof and fire safe. Used under any can, crock or fountain.

Over 80% of an egg is water. To get lots of eggs in winter, you should keep unfrozen water constantly before fowls. One cold day with water frozen, may stop egg production for a month.

A Little Putnam Stove is also used to heat a home-made oat sprouter. Plans for making sprouter packed with every stove. A 14-year-old boy can build the sprouter in two or three hours with no tools but saw and hammer. The materials required need not cost more than 50c. Price of Little Putnam Stove, Galvanized, \$1.95; Aluminum, \$2.95, postpaid. Illustrated circular on request.



Burns a Month Without Attention

Postpaid  
\$1.95

## Leg Bands for Poultry, Pigeons, Etc.

ALL POSTPAID

Tell the age and different strains of your poultry.

Table of sizes of bands for different breeds. Order by number.

No. 1—Bantams and small Mediterranean females, etc.

No. 2—Ordinary Mediterraneans and pit game females, etc.

No. 3—Mediterranean males, American females, pit game males.

No. 4—American males, medium Asiatic females, turkey hens, etc.

No. 5—Ordinary large Asiatics and tom turkeys, etc.

No. 6—Tom turkeys and geese.

**BANDETTES**—The large numbered colored celluloid flat poultry band, easy to put on, won't come off. Same colors as Spiralets. 25c doz.; \$2.00 100.

**SPIRALET LEG BANDS** are made of celluloid in different colors; black, white, light blue, dark blue, red, green, yellow, brown, etc. Prices: Three Poultry Sizes to correspond with Nos. 2, 3 and 4 in above list; 12, 15c; 50, 50c; 100, 90c; 500, \$4.00. Pigeon and Day Old Chick Size: 12, 15c; 25, 25c; 50, 40c; 100, 75c; 500, \$3.50.

**"SMITH SEALED" BANDS**—If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices, dozen, 35c; 25, 60c; 50, \$1.00; 100, \$1.75; 250, \$4.00; 500, \$7.75; 1,000, \$15.00.

**SEALERS FOR SEALING S. S. BANDS**—Plain, \$1.05; lettered jaw, \$1.15.

**"DOUBLE-CLINCH" LEG BANDS**—Made in Double Clinch sizes as table. A strictly reliable open or removable band. Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose. Prices, dozen, 20c; 25, 30c; 50, 50c; 100, 75c; 250, \$1.75; 1,000, \$6.50.

**DOUBLE-CLINCH FOR PIGEONS AND BABY CHICKS** can also be used as wing bands; in two sizes. Price, dozen, 15c; 25, 25c; 100, 70c; 1,000, \$6.00.

**"CHAMPION" LEG BANDS**—Fig. 2. Adjustable in two sizes. Large for American, small for Mediterranean breed. Price, dozen, 15c; 25, 25c; 50, 40c; 100, 75c; 250, \$1.75; 1,000, \$6.50.

**"COLORED" ECLIPSE POULTRY BANDS**—Made in twelve colors. Black numbers on white ground on two sides of the band; can be read at several feet distance. Order as to numbers above No. 2 for Leghorns, etc. Prices, dozen, 40c; 25, 75c; 50, \$1.50; 100, \$3.00.

**SEAMLESS PIGEON BANDS**—Made in three sizes. Prices, dozen, 30c; 25, 60c; 100, \$1.50; 1,000, \$12.50.

**OPEN CHICK, OR PIGEON BANDS**—Prices, dozen, 15c; 25, 25c; 50, 40c; 100, 65c; 1,000, \$5.25. Fig. 6.

**ELITE DOUBLE NUMBER COLORED PIGEON**

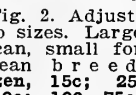
**BANDS**—This band is the most visible, most practical and effective numbered leg band made; in colors that can be seen at a distance—in 14 colors, black numbers of white. Prices, 6 pairs, 30c; 12 pairs, 60c; 25 pairs, \$1.15; 50 pairs, \$2.25. Fig. 7. **IDEAL DE LUXE PIGEON BANDS**—Two colors on each band, all colors for marking mated pairs. Prices, 6 pairs, 25c; 12 pairs, 50c; 25 pairs, \$1.00; 50 pairs, \$2.00, postpaid.



SPIRALET



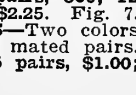
DOUBLE-CLINCH



CHAMPION



COLORED ECLIPSE



SEAMLESS PIGEON



Fig. 7

## Thermometers, Instruments, Etc.

Cyphers Incubator Thermometer, postpaid, \$1.00. Cyphers Adaptable Hover Thermometer, \$1.00, postpaid.

**"Tycos" Incubator Thermometer, No. 5770**—Many poultry raisers prefer the standing type of Incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Price, 75c each; postpaid, 85c.

**"Tycos" Incubator Thermometer, No. 5774**—Most popular. Suitable for any incubator. Price, 75c; postpaid, 85c.

**M. & S. Incubator Thermometer**—Very handy. sets on bottom of tray; easy to read. Price, \$1.00, postpaid.

**Tycos Certified Thermometer No. 5782**—Price, \$1.00.

**"Tycos" Brooder Thermometer, No. 5792**—Mounted. Price, 60c; 70c postpaid.

**"Tycos" Incubator Hygrometer, No. 5796**—Price, \$1.50. Extra wicks, 10c each, postpaid.

**Philadelphia Caponizing Set**—In plain box, \$2.50. In velvet lined box, price, \$2.75.

**Angular Killing Knives, Fig. 7.** Price, 50c each.

**French Safe Edge Killing Knife**—Fig. 6. Price, 50c.

**French Poultry Killing Knife**—Price, 50c.

**Poultry Roup Syringe**, 10c each. All the above postpaid.

**Angular Killing Knives, Fig. 7.** Price, 50c each.

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**French Poultry Killing Knife**—Price, 50c.

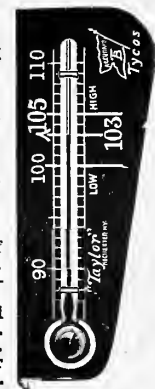
**Poultry Roup Syringe**, 10c each. All the above postpaid.

**Angular Killing Knives, Fig. 7.** Price, 50c each.

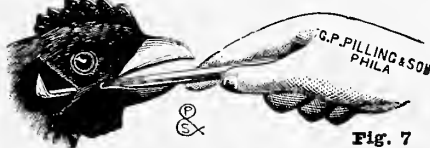
**French Safe Edge Killing Knife**—Fig. 6. Price, 50c.

**French Poultry Killing Knife**—Price, 50c.

**Poultry Roup Syringe**, 10c each. All the above postpaid.



Thermometer No. 5774



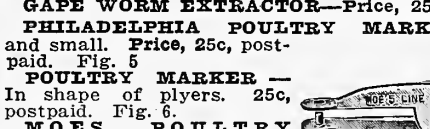
PILLING-PHILA

Fig. 6



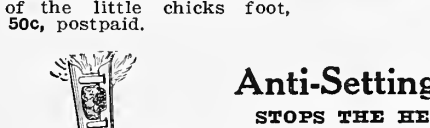
PILLING-PHILA

Fig. 5



PILLING-PHILA

Fig. 6



PILLING-PHILA

Fig. 7



PILLING-PHILA

Fig. 7



PILLING-PHILA

Fig. 7

Fig. 7

Fig. 7

Fig. 7

Fig. 7

## Anti-Setting Device

STOPS THE HEN SETTING

Breaks 'Em Up in 24 Hours (Patent Applied For)

Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. Price, 15c each; \$1.50 dozen, postpaid.



MEHLER'S SCRAPER

HANDY

Does the Work Better in 1/2 the Time

All Steel Scraper—2-foot handle.

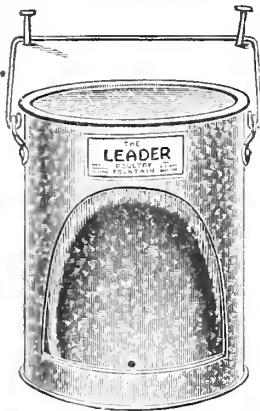
**Mehler Scraper**—Positively the best and handiest tool which has ever been offered to Poultry Keepers. Works both ways coming and going. Made of the very best hard pressed steel. Price, \$1.00. 50c; postpaid, 60c.

## Fibre Pigeon Nests



**Indurated Fibre Pigeon Nest**—Fills a long-felt want for all squab breeders. Price, 30c each; weight, 1 lb.; \$3.00 per doz.; weight, 9 lbs. Clay Pigeon Nest 25c each, \$2.50 doz.

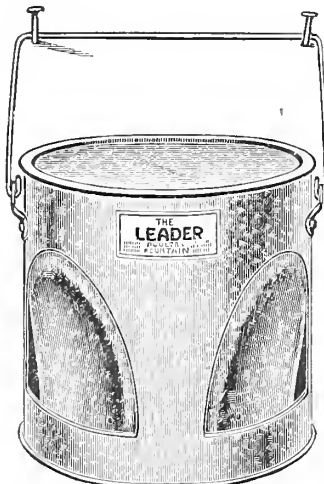
## POULTRY AND PIGEON FEEDERS AND FOUNTAINS



## Leader Fountain

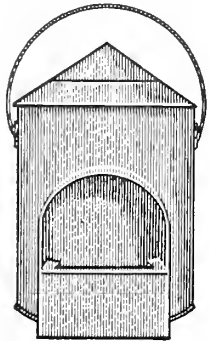
A new Sanitary Fountain, practical to use, easy to keep clean. A saving of from 30 to 40 per cent over any fountain of its size.

Price, 1½ gal. size, 85c each; postpaid, 95c.



Patent applied for.

Patent applied for.  
This 3 gal. size has two drinking spaces, making it very convenient for large pen fowl. These founts hang on the wall with two nails, one at each angle of the bail.  
Price, 3 gal. size \$1.50 each; postpaid, \$1.60.

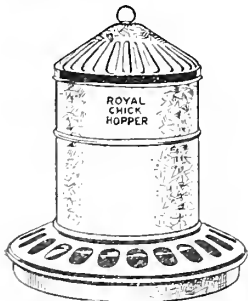


## Felker's Insulated Duplex Fountains

Keeps water warm in winter.  
Keeps water cool in summer.  
(Top section slides into bottom section)  
For cold weather fill with warm water in the morning.

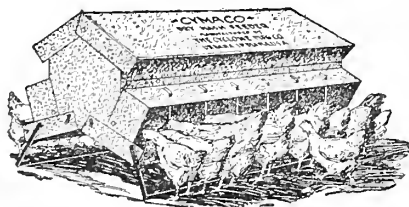
This fountain will keep the water in good drinkable condition through the day. Made in two sizes.

3 gal. size \$4.50 each, postpaid \$4.75.  
4 gal. size \$5.00 each, postpaid \$5.25.



No. 56

No. 56—ROUND DRY MASH FEEDER. Capacity 1 peck. Ample feeding space. Price, \$1.25; postpaid, \$1.35.



## "Cymaco" Dry Mash Feeders

## Solve the Feeding Problem

The feeder that has won the highest favor among thousands of poultry man and farmers throughout the country. The CYMACO feeder is made of the best galvanized steel with enameled steel legs to hold the feeder off the ground. The flow of the feed may be regulated by means of two thumb screws at either end of the feeder. Agitators are worked automatically by the fowls while feeding. The CYMACO accommodates twice as many hens as the ordinary hopper feeder. CYMACO is provided with a catch tray which prevents waste of feed and provides a means to close at night.

No. 12—Capacity ½ bu. Packed 1 to carton. Shipping weight, 11 lbs. Each..... \$2.50  
No. 24—Capacity 1 bu. Packed 1 to carton. Shipping weight, 17 lbs. Each..... 3.75

## Royal Dry Mash Hopper

No. 424—24 inches long. 34 feeding holes; capacity 28 lbs. Price, \$2.00, postpaid \$2.25.  
No. 436—36 inches long. 54 feeding holes; capacity 42 lbs. Price, \$2.60, postpaid \$2.85.

## FELKER'S "1-2-3" GRIT AND SHELL FEEDER—Fig. 1

For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator in one end; three kinds, say scraps, shell and grit, put separator in middle, and you have three separate feeders. Price, \$1.35; small size, 75c. Weight, 5 lbs. each.

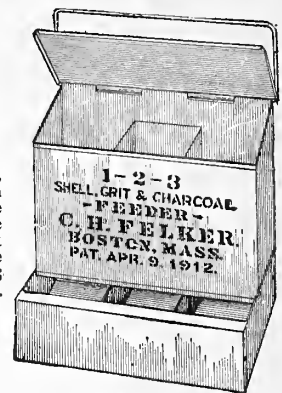


Fig. 1

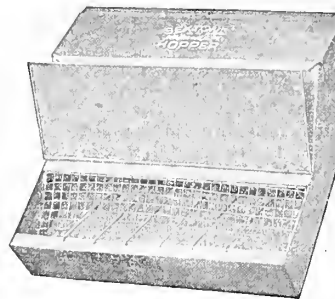


Fig. 3



Fig. 4

Sexton's Dry Feed Hopper—Easy to fill and no waste.

No. 5—Capacity, 24 qts. Fig. 3, wgt. 15 lbs. Each.....\$2.50  
No. 1—Capacity, 12 qts. Fig. 4, wgt. 7 lbs. Each.....\$1.50  
No. 2—Capacity 3 qts. Parcel Post weight 4 lbs. Each....\$1.00

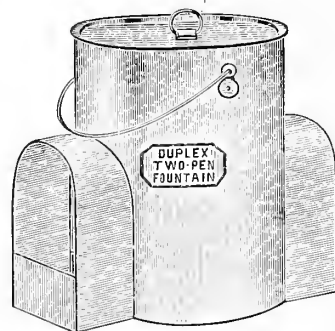
Top Section Slides Into Bottom Section.

## Duplex Two-Pen Fountain

This fountain will serve two Pens at same time; gives good results and saves labor.

Made in two sizes, eight-quart and five-gallon.

Price: 8-qt. size (Parcel Post weight, 8 lbs.), each, \$1.65; 5-gallon size (Parcel Post weight, 4 lbs.), each \$3.00. See Twin Duplex on next page.



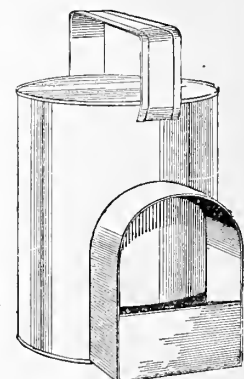
Two-Pen Duplex

## Wall Fountain

This has been very popular for years. Is a strong well made fountain and durable.

Price: 4-qt. size (Parcel Post weight, 2 lbs.), each, 90c; 8-qt. size (Parcel post weight, 3 lbs.), each, \$1.25.

## Royal Jar Fountains



Wall Fountain

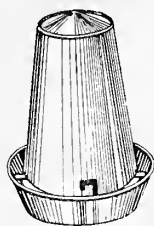
This Fountain will fit any Mason Jar, and is intended for feed and water. 15c each; 2 for 25c; \$1.25 doz., postpaid.



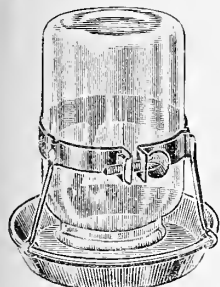
# CHICK FEEDERS, POULTRY & PIGEON FOUNTAINS

## Felker's Cone Fountain

For chickens and pigeons. A new and practical drinking fountain. A two-part attachable fountain. Chickens or Pigeons can drink all around it, but can not get into it or foul it. It being attachable makes it easy to move from place to place and it is not easy to tip over. Made in two sizes—one quart and two quart. 30c and 40c. Weight, 1 lb. each, both sizes.



Something New for the Chickens



Pat. Applied For

## Felker's Handy Attachment

To Be Used With Any Make of Fruit Jar.

A perfect Feeder for sour milk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the Handy fits them all. 25c each, for postage add 5c.

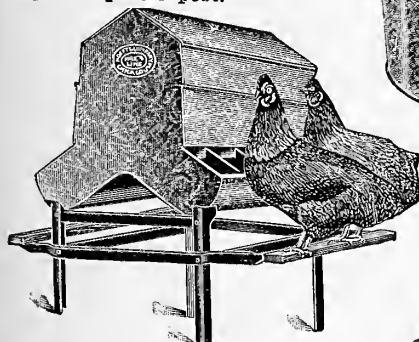
## Moes Round Baby Chick Feeder

This is the most popular style of Baby Chick Feeders, being round more chicks may be served, being covered prevents contamination and wastage. Cannot be upset. No. 11, 6 inches in diameter, 8 feeding holes, each 15c; No. 12, 8 1/4 inches in diameter, 12 feeding holes, each 25c.



## Moes Mammoth Dry Mash Hopper

Has many excellent features; for instance it will accommodate a full 100-lb. bag of mash, doing away with the annoyance and waste of having a partly empty bag of mash on the premises. The feed is within easy reach of the chickens, and is protected from the weather and from the ravages of rats and mice. Price, \$12.00—too large for parcel post.



Overall Mash Hopper

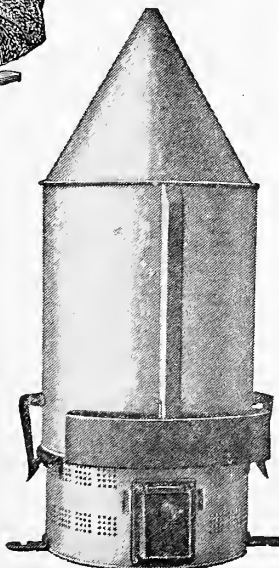
## Overall Mash Hopper

All steel, galvanized. Cap. 6 qts. Price, 75c, postpaid 85c.

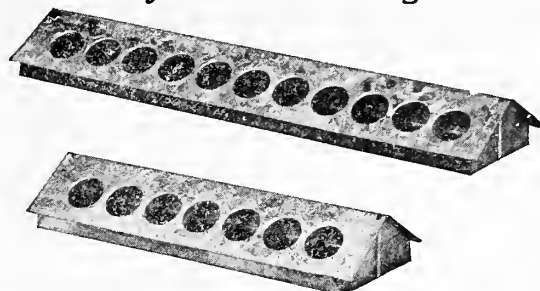
## The Norwich Automatic Airlock Fountain

Guaranteed frost-proof to 10 degrees below zero. Fitted with detachable cup, removable oil chamber, heat generator, etc. Passed by Fire Underwriters.

Made in one size only, 5 gallons capacity. Parcel Post weight, 17 lbs.; less burner base, 10 lbs.; base only, 10 lbs.  
Complete with Burner Base...\$6.00  
Without Burner Base..... 3.50  
Burner Base only..... 3.50



## Royal Feed Troughs



Made of the best quality galvanized iron; well reinforced and very economical in price. Top lifts off and it is easily filled. Made in three sizes.

No. 12—Length, 12 in.; 14 feeding holes....25c  
No. 18—Length, 18 in.; 22 feeding holes....35c  
No. 24—Length, 24 in.; 30 feeding holes....45c

Postpaid 35c  
Postpaid 45c  
Postpaid 55c

## Felker's Sanitary Fountains For Poultry

Fig. 3.

"PEERLESS" DRINKING FOUNTAIN keeps the water clean and pure. 1 qt. brooder size, 35c; 5 qts. 90c; 10 qts. \$1.50.

If to go by mail, add 10c to each size.



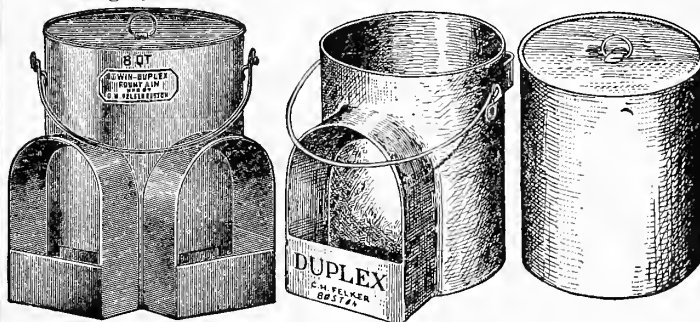
Fig. 3

## Felker's Jr. Chick Feeder

Feeds dry mash and grain as well as sour milk or water. 12-inch, price 25c each; 20-inch, 40c. Parcel Post weight, 2 lbs.



12-inch, price 25c each; 20-inch, 40c. Parcel Post weight, 2 lbs.

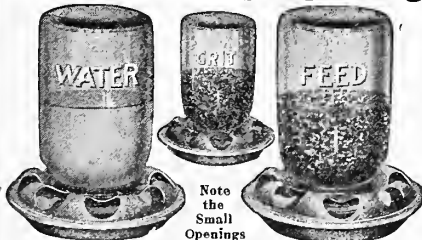


**FELKER'S DUPLEX WALL FOUNTAIN**—A big improvement over the old style Wall Fountain. Made in two pieces, as per illustration, out of galvanized iron. Easy to clean, dead air space between cover and reservoir keeps water cool in summer and from freezing in moderate winter weather. Price, 4-qt. size, \$1.15; 8-qt. size, \$1.40. Parcel Post weight of either, 4 lbs.

**TWIN DUPLEX FOUNTAIN**—Like above, but constructed with two drinking spaces. Eight-quart size. Price, \$1.65. Parcel Post weight, 5 lbs.

**Five-Gallon Twin Duplex**—Price, \$3.00. Parcel post weight, 9 lbs.

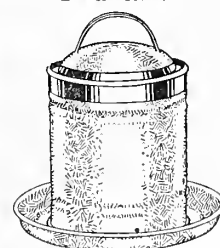
## BEST FOR BABY CHICKS



3 Pans 75c POST PAID 4 Pans \$1

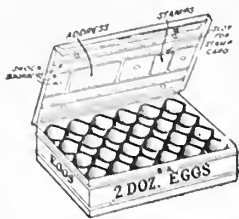
It fits any Mason jar. The top of the pan can be removed in a second clean or fill. 25c each; 30c postpaid.

## No. 31 Royal Fountain



This Fountain is made in two pieces of galvanized iron. Can be used for growing chicks and large fowls. Capacity, 4 qts. Price, 50c; 60c postpaid.





Metal Egg Crates

Butter and Eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crates

## Mailing Rates

Weights	Postage
Empty.	Filled.
1½ doz. size.....3 lbs.	7c
2 doz. size.....3 lbs.	7c
3 doz. size.....4 lbs.	8c
4 doz. size.....5 lbs.	9c
6 doz. size.....6 lbs.	10c
9 doz. size.....8 lbs.	12c
12 doz. size.....10 lbs.	14c
Comb. No. 1.....3 lbs.	7c
Comb. No. 2.....4 lbs.	8c
Comb. No. 3.....5 lbs.	9c
Comb. No. 4.....3 lbs.	...
Comb. No. 5.....5 lbs.	...
Comb. No. 6.....5 lbs.	...
Comb. No. 7.....6 lbs.	...

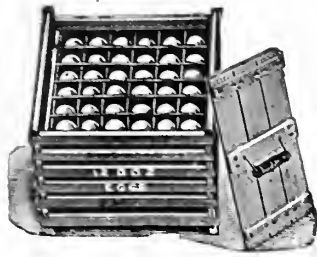
The above postage rates apply to the second zone or 150 miles. Add postage to your destination.

## Metal Egg Crates Prices

1½ doz. size—all eggs.....	\$1.25
2 doz. size—all eggs.....	1.50
3 doz. size—all eggs.....	1.75
4 doz. size—all eggs.....	2.00
6 doz. size—all eggs.....	2.50
9 doz. size—all eggs.....	3.25
12 doz. size—all eggs.....	4.00

## Prices Combination Crates With Metal Containers

No. 1—2 lbs. and 1 doz. eggs.....	\$1.50
No. 2—4 lbs. and 2 doz. eggs.....	2.00
No. 3—4 lbs. and 3 doz. eggs.....	2.25
No. 4—6 lbs. (3 2-lb. Containers).....	2.25
No. 5—12 lbs. (3 4-lb. Containers).....	2.50
No. 6—16 lbs. (2 8-lb. Containers).....	2.50
No. 7—24 lbs. (2 12-lb. Containers).....	3.50



**M. & S. EGG BOX**—Fig. 8. This is an ideal box for the retail egg trade holding 1 dozen, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in very compact shape. 15c per dozen; weight, 2 lbs., \$1.25 for 125; weight, 11 lbs. \$2.25 per pkg. of 250; 1,000 \$8.00.

**CONTINENTAL EGG BOX**—Carries six on each side. Price same as M. & S. square box.

Commercial Egg Box Filler, \$3.75 per gross, 40c per dozen.

## Keipper Slide-Top Door Shipping Coop

Made from Light Cedar Wood combining strength, durability and light weight for exhibition purpose. Each. 15 Doz. Doz.

No. 18—Size 12x18x21 inches high.....	\$0.80	\$4.50	\$8.00
No. 19—Size 12x21x21 inches high.....	1.00	5.50	10.00
No. 20—Size 20x24x21 inches high.....	1.55	8.75	16.50
No. 21—Size 12x21x24 inches high.....	1.40	8.00	15.00

## The Oakes Improved Trap Nest

4-Compartment nest, complete with trap doors and perches, \$6.15  
Same without doors and perches, to be used as regular nests, 4.95  
8-Compartment nest, complete with trap doors and perches, 12.00  
Same without doors and perches, to be used as regular nests, 9.65

## Metal Egg Crates

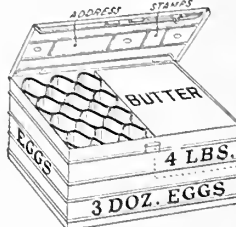
Sell Eggs by Mail to Your City Friends Shipped in Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments. Buy yours now and realize more money for your eggs. Your friends want them. Thousands now in daily use.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safely carrying eggs by mail. Light in weight and very strong.

Price of eggs in the city is about double the price obtained by the farmer at a local store for selected eggs. You might as well be receiving this added profit by shipping your eggs direct.

Butter and Eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crates



Combination Crates

**ANDERSON EGG BOXES**—Fig. 11. These are made of corrugated paper and are very strong, intended only for sending of setting eggs.

Fig. 11



One setting—weight, 1 lb. each; 18 lbs., doz.....	Each. \$0.25	Doz. \$2.75
Two settings—weight, 2 lbs. each; 28 lbs., doz.....	.35	4.00
50-egg size—weight, 4 lbs. each; 40 lbs., doz.....	.50	5.50

## Chick Boxes

## LIVE CHICK SHIPPING BOX—

Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.



	Wt. of box.	Size.	Each.	Doz.
25 chicks .....	1	9x11x5½	20c	\$1.75
50 chicks .....	2	18x11x5½	25c	2.50
100 chicks .....	3	18x22x5½	30c	3.25

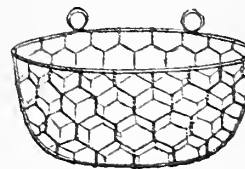
## SULPHUR FUMIGATING CANDLES

A Microbe and Germ killer. Also lice and mite destroyer. Is put up in original form with wick ready for the match. 15c each, 2 for 25c. Parcel Post weight, 1 lb.

**X-RAY EGG TESTER**—Price, 35c each. Mailing weight, 1 lb.



## Nest Eggs and Wire Nests



These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Price, each, 25c; \$2.50 per dozen. Parcel Post wt. 1 lb. each.

**Opal Nest Egg**—Prices: 5c each; dozen, 40c. Special price on quantities. Weight, 1 dozen, 1 lb.

**M. & S. Lime Nest Egg**—Will last indefinitely; looks most natural. 5c each; 50c dozen, postpaid.

## INCUBATOR AND BROODER REPAIRS

**Incubator Wicks**—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

**Brooder Wicks**—State sizes wanted. Price, 2 for 5c; doz. 25c, postpaid.

**Putnam Stove Wicks**—2 for 5c. Holder and Wick, 10c.

**Putnam Heater Wicks**—2 for 5c. Holder and Wick, 10c.

**Incubator and Brooder Lamp Burners**—For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. No. 2 and 3—Large size, 95c; No. 1 takes 1 in. wick, has large flange, 75c; small size, No. 0, 55c. Mailing weight, either size, 1 lb.

**"Zenith" Chimneyless Brooder Lamp Burner**—Price, 75c. Mailing weight, 1 lb.

**Metal Chimney**—To fit above burners. 30c; postpaid, 35c.

**Thermostat**—Heavy Brass Wafers. 3 inch 60c; 4 inch 90c, postpaid.

**Shenandoah Thermostat**—For Brooder Stoves. \$2.00. Weight 4 lbs.

**Incubator Lamp Tanks without Burners**—small size, \$1.15; medium size, \$1.25; large size, \$1.40. Parcel Post wt., 3 lbs.

**Gas Burner for Incubators**—Price, 50c each, postpaid.

**M. & S. LICE PROOF ROOST SUPPORT**

These are indispensable in any poultry house, lice and mite are what stop your hens

from laying. Price, 50c a pair (either straight or curved). Parcel Post weight, 3 lbs.

**Breeders' Magic Egg Tester**

Is now universally used by poultrymen everywhere to select the strongest eggs for hatching BEFORE incubation. Requires no skill nor expense to operate—just a pair of hands and eyes.

Tests 400 eggs per hour, and the greatest money saver in the realm of poultry supplies. Fully guaranteed, \$2.50 each.

from laying. Price, 50c a pair (either straight or curved). Parcel Post weight, 3 lbs.

## Poultry Foods, Tonics, Disinfectants, Etc.

Prices on All Foods Subject to Change Without Notice

**"AMERICAN" TURKEY POWDER**—It is sure to raise your young turkeys to healthy birds. Shipping weight, 2 lbs. Price, 30c.

**ALFALFA CLOVER MEAL**—Rich in protein and especially desirable for young birds. 5c lb.; 100 lbs. \$3.00.

**BARLEY**—Principally fed for making feathers and bone. 5c lb.

**BEEF SCRAPS**—Very rich in protein; 50 to 55 per cent protein, 12 to 15 per cent fat, 1 to 2 per cent fibre. 8c lb.; 10 lbs. 75c; \$5.50 per 100.

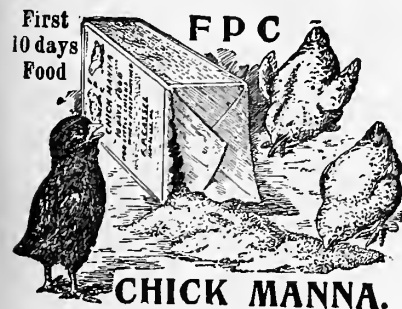
**BONE**—(Coarse and Fine)—For muscle making, producing eggs and as a digester. 5c lb.; 100 lbs. \$3.75.

**BRAN** (Wheat)—For mash, etc. An excellent egg maker and very nutritious. 5c lb.

**BUCKWHEAT**—Fed very largely as change of diet. 6c lb.

**CANADA PEAS**—Principally fed to pigeons. 7c lb.

**CHARCOAL**—Three grades, fine, medium and coarse. Disinfects the bowels and tones up the whole system. 1 lb. 8c; 35c for 5 lb.; 10 lbs. 60c; \$2.00 for 50 lbs.; 100 lbs. \$3.50.



**CHICK MANNA.**

**CHICK MANNA**—Is a complete food in every respect, requiring nothing more for the first ten days. Price, 1 lb. 15c; 3 lbs. 40c; 5 lbs. 60c; 15 lbs. \$1.65; 100 lbs. \$8.50.

**CORN CHOPS**—Suitable for either mash or feeding little chicks. 5c lb.

**CORN CRACKED**—Carefully sifted; fine or coarse. 1 lb. 5c.

**CORN WHOLE**—5c lb.

**DR. HESS' POULTRY PAN-A-CEA**—Guaranteed tonic and egg producer. 1½-lb. pkg. 25c; 6-lb. pkg. 75c; 12-lb. pkg. \$1.50; 25-lb. pail \$3.00; 50 lbs. \$5.50; 100 lbs. \$10.00.

**GLUTEN MEAL**—For feeding to both poultry and cows. 1 lb. 5c.

**GRIT** (Cockeysville Egg Shell)—Fine, medium and coarse. 5 lbs. 15c; 25 lbs. 50c; 50 lbs. 75c; \$1.25 per 100 lbs.

**GRIT** (Red Cross Health)—For pigeons. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 65c; 50 lbs. \$1.25; 100 lbs. \$2.25.

**HEMP SEED**—Fed largely to pigeons, also to poultry during winter months. 8c lb.

**OATS HULLED**—A splendid food for young chicks. 5c lb.

**KAFFIR CORN**—Makes a fine food for pigeons, also used for poultry. 5c lb.

**LINSEED MEAL**—For feeding with the regular ration during the moulting period. 5c lb.

**POULTRY LITTER**—Fine for scratch pens, absorbs moisture, lasts long time. Peck 35c; ½ bus. 60c; 1 bus. \$1.00; large bales, \$3.50.

**MARGARET MAHANEY BLACK HEAD REMEDY PILLS AND SALVE**—For turkeys; sure cure. Price, \$1.00, postpaid.

**MIDLINGS**—An excellent change in combination of a mash. 5c lb.

**MILLET** (for feeding)—Highly nutritious and used extensively for pigeons and young chickens. 6c lb.

**OATS**—Splendid for sprouting. 5c lb.; Rolled Oats, 6c per lb.

**OAT MEAL** (Pin Head)—An excellent food for young chicks after they are a few days old. 6c lb.

**OATS GROUND**—This makes an excellent dry feed when combined with other similar ration. 5c lb.

**OYSTER SHELLS**—Fine and coarse. 5 lbs. 15c; 50c for 25 lbs.; 50 lbs. 75c; \$1.25 per 100 lbs.

**OCULUM**—Beneficial for fowls in bowel trouble, roup, diarrhea and sore head. Price, \$1.00; postpaid \$1.10.

**PIGEON FOOD (PRATTS)**—Containing the best of grain. No corn. 6c lb.; 100 lbs. \$4.50.

**SUNFLOWER SEED**—For poultry, parrots, etc. 12c lb.; 10 lbs. \$1.00.

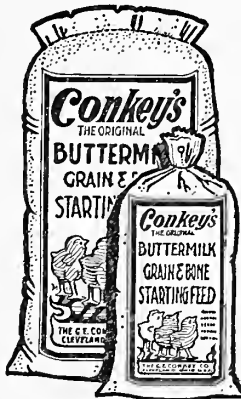
**TOBACCO STEMS**—1 lb. 5c; 50 lbs. \$1.50; 100 lbs. \$2.50.

**TOBACCO POWDER AND TONIC**—For the elimination of large and small round worms in poultry and as a tonic. 1b. 25c; 10 lbs. \$1.50; 25 lbs. \$2.50; 100 lbs. \$4.50.

# Conkey's

THE ORIGINAL BUTTERMILK FEED  
Prices Subject to Change.

## For Baby Chicks



**Conkey's Buttermilk Starting Feed** was the first commercial feed containing buttermilk—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's did not "just happen"—it is a scientifically-balanced feed as clean and wholesome and as conscientiously prepared as "infant food." Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Guaranteed Analysis—Crude Protein, 14%; Crude Fibre, 4%; Crude Fat, 3%; Nitrogen Free Extract, 56%; Carbohydrates, 60%.

Ingredients—Semi-Solid Buttermilk, pinhead oatmeal, a special wheat middlings, whole corn meal, corn feed meal, granulated bone and blood flour.

Packed in convenient sizes from 2½ lbs. up. Buy 1½ lbs. for every chick.

Price—2½ lbs. 20c; 5 lbs. 40c; 10 lbs. 65c; 25 lbs. \$1.50; 100 lbs. \$5.00. Not postpaid.

## Pratt's Egg Preserver



Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Buy **PRATTS EGG PRESERVER**, the pure, strong kind. It will stand the maximum amount of dilution with water. Price, 1 quart, 35c; 1 gallon, \$1.00.

**EGG-O-LATUM** is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors, or germs can get in. The egg is preserved in all its original freshness. The application of Egg-O-Latum is easily and quickly done. A dozen per minute. Fresh eggs must be used, perfectly unfertile. Per jar, 50c; 55c postpaid. Enough for 50 dozen eggs.

### EGG-O-HATCH

**Egg-O-Hatch** is a dry powder. It is mixed with water and the resulting liquid is applied to eggs two or three times during the 21 days of incubation. It is a liquid that does three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off, makes more brittle and porous the shell of the egg. 50c per pkg.; 55c postpaid.

## Bird and Fish Foods, Catnip Mouse



Canary Seed .....	Lb. 15c	Thistle .....	Lb. 45c
Bird Rape .....	15c	Sunflower .....	12c
Millet .....	08c	Hemp Seed .....	08c
Poppy or Maw.....	30c	Mixed Bird Seed.....	15c
Flax Seed.....	25c		

**Cuttle Fish Bone**—Price, 5c each; 50c lb.  
"Gloria" Song-Restorer Food—This is scientifically proportioned and has been fed with great success. Price, 1 lb. 25c.  
For-get-me-not, Wild Bird, Seed Mixture—Feed the little songsters in the winter time. 15c lb.

**Bird Sand** for Canaries and other birds. Very necessary. What we offer is sifted and free from all dust. Carton, 15c per lb. Parcel Post weight, 3 lbs.

**Fish Food** (Natural)—15c, postpaid.

**Catnip Mouse**—Make Kitty happy. 15c, postpaid.

# Pratts

## "QUALITY" POULTRY FEEDS

Backed by over 50 years' experience with poultry, with every ingredient carefully selected and processed, PRATTS FEEDS are scientifically and practically correct. There is a Pratt Feed for every poultry need and every age of fowl. Use "Pratts" from the first feed and follow the Pratt system if you want real success and profit.

Start your chicks on

### Pratts Buttermilk Baby Chick Food

the original "baby food for baby chicks." It has taken all the guess, worry and loss out of raising baby chicks. Use it the first month to six weeks and watch results. Chicks grow strong,

uniform, vigorous and sturdy and are free from leg weakness, "pasting up" and digestive troubles.

Equally good for young turkeys, guineas, ducks, pheasants and game birds. A perfect "baby food" for young fowls.

In packages and 5, 10, 14, 25, 50 and 100-lb. bags.

After the little fellows are about a month old switch them to

### Pratts Buttermilk Growing Mash

This splendid mash for the growing youngsters supplies an abundance of every element needed for making bone, muscle, feathers and health. Insures vigor and quick, uniform growth. When they are matured give them

### Pratts Buttermilk Laying Mash and Pratts Scratch Feeds

**PRATTS BUTTERMILK BABY CHICK FOOD.** Pkg. 25c and 50c, postpaid 32c and 60c; 5-lb. bag, 40c, postpaid 50c; 10-lb. bag, 65c, postpaid 80c; 14-lb. bag, \$1.00, postpaid \$1.25; 25-lb. \$1.50, postpaid \$1.80; 50-lb. \$2.75, postpaid \$3.30; 100-lb. \$5.00.

**PRATTS BUTTERMILK GROWING MASH.** Lb. 6c; 100 lbs. \$4.00.

**PRATTS BUTTERMILK VICTORY LAYING MASH.** Lb. 5c; 100 lbs. \$3.75.

**PRATTS VICTORY CHICK SIZE SCRATCH FEED.** Lb. 6c; 100 lbs. \$4.00.

**PRATTS INTERMEDIATE SIZE SCRATCH FEED.** Lb. 6c; 100 lbs. \$4.00.

**PRATTS LARGE SIZE SCRATCH FEED.** Lb. 5c; 100 lbs. \$3.25.

PRICES  
ON  
PRATTS GRAIN  
AND  
MASH FEEDS  
SUBJECT TO  
MARKET CHANGES

### Pratts Poultry Regulator (For Health and Eggs)

—Use it the year 'round for breeders, layers and growing stock. Pkg. 25c and 50c, postpaid 33c and 61c. Parcel post weight, 2 and 5 lbs. 12-lb. pail, \$1.65, postpaid \$1.83; 25-lb. pail, \$3.00, postpaid \$3.31; 100-lb. drum, \$10.00.

**Pratts White Diarrhea Tablets** in the drinking water for the first couple of weeks. Proven by years of success, it will save you many dollars and chicks. Guaranteed. 25c and 50c packages.

**Pratts Special Compound**—For indigestion, sour crop, diarrhea and bowel troubles, commonly called CHOLERA. Gives quick, effective relief. Easy to use. Certain in action. Guaranteed. 25c and 50c packages.

**Pratts Red Mite Special**—Paint or spray around the poultry house, on nests, roosts, etc., it is sure death to all mites and lice. Powerful, efficient, lasting. Use it where others have failed. It will surprise you. 50c a quart; 90c a half gallon; \$1.50 a gallon, not postpaid.

**Pratts Poultry Disinfectant** insures poultry health. It is a cheap, powerful, non-poisonous disinfectant. Quart, 55c; half gallon, 90c; gallon, \$1.50, not postpaid.



**Pratts Roup Tablets (or Powder)**—Save your birds from heavy roup losses. Guaranteed to give satisfaction or your money back. 25c and 50c packages.

**Pratts Gape Compound** an effective, easy remedy that will prevent further losses and save the sick chicks. Try it. 25c and 50c packages.

**Pratts Bronchitis Tablets**—25c and 50c a box.

**Pratts Head Lice Ointment**, 30c.

**Pratts Lice Salve**—25c and 50c.

**Pratts Scaly Leg Ointment**—30c and 60c a box.

**Pratts Condition Tablets**—25c and 50c boxes.

**Pratts Sore Head Chicken Fox Remedy**—30c and 60c packages.

**Pratts Powdered Lice Killer** is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, etc. Kills poultry of all ages, dogs, cats, horses, cattle, hogs and sheep of lice, ticks and other insect pests. Can also be used on vines, plants and flowers. In sifter cans, 25c and 50c. Postpaid, add 5c & 10c.



## Dog Foods, Remedies, Etc.



**Peerless Dog Food**—A food for dogs and puppies. The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this highly nutritious food. Price of Food, 1 lb. 10c; 5 lbs. 45c; 10 lbs. 85c; 100 lbs. \$7.50. Price subject to change.

**Spratt's Meat Fibrine Vegetable Dog Cakes**—A staple food for all breeds; too well known to be described. Price, 1 lb. 15c; 100 lbs. \$13.50. Price subject to change.

**Spratt's Puppy Biscuits**—The standard puppy food. 1 lb. 15c; 100 lbs. \$14.00.

**Spratt's Ovals**—The Pocket Dog Biscuit. 40c, postpaid 49c; 100 lbs. \$13.50.

**Spratt's Fibo**—An appetizing and flesh-forming food for puppies and dogs out of condition. Pkg. 40c, postpaid 49c; 100 lbs. \$15.00.

**Spratt's Charcoal Biscuit**—40c pkg., postpaid 49c.

**Spratt's Cod Liver Oil Biscuit**—40c pkg., postpaid 49c.

**Spratt's White Dog Soap**—Death to fleas. Price, 25c; postpaid 30c.

**Spratt's Cooling and Alternative Tablets**—60c. Postpaid.

**Spratt's Tonic and Condition Tablets**—60c. Postpaid.

**Distemper Tablets for Toy Dogs and Puppies**—\$1.00. Postpaid.

**Vermifuge Capsules for Toy Dogs and Puppies**—60c. Postpaid.

**Spratt's Constipation Tablets**—60c.

**Spratt's Diarrhoea Tablets**—60c, postpaid.

**Spratt's Distemper Tablets**—\$1.00. Postpaid.

**Spratt's Constipation Tablets**—60c. Postpaid.

**Spratt's Worm Capsules**—60c.

**Spratt's Mange Medicine**—75c; postpaid 85c.

### Sergeant's Dog Remedies

**Distemper Medicine**—Price, \$1.20. Postpaid.

**Mange Medicine**—Price, 65c; 75c postpaid.

**Condition Pills**—Price, 60c. Postpaid.

**Sure Shot Capsules**—Price, 60c. Postpaid.

**Sure Shot Liquid**—Price, 60c.

If wanted by parcel post, be sure to include postage in your remittance if not marked postpaid.

**Arsenic and Iron Pills**—Price, 60c. Postpaid.

**Dog Rub (a Liniment)**—Price 60c; 70c postpaid.

**Canker Wash**—Price, 60c; 70c postpaid.

**Cough Medicine**—Price, 60c; 70c postpaid.

**Well Mouth (Sore Mouth and Black Tongue)**—Price 60c; 70c postpaid.

**Eye Wash**—Price, 60c; 70c postpaid.

**Tape Worm Medicine**—Price, 60c. Postpaid.

**Rheumatism Pills**—Price, 60c. Postpaid.

**Constipation Capsules**—Price, 60c. Postpaid.

**Skip-Flea Soap**—Price, 25c. Postpaid.

**Carbolic-Tar Soap**—Price, 25c. Postpaid.

Send for special book on dogs—Spratts, Sergeants and Glovers.

**Glover's Dog Medicines**—A remedy for every disease.

## Pure Cedar Bedding

FOR USE WITH DOGS, POULTRY AND PETS  
A Preventive of Disease and Vermin

NO FLEAS, NO VERMIN, NO DISEASE where Cedar Bedding is used.

ENDORSED BY DOG HOSPITALS and large kennels of the country and by many Poultry Fanciers.

### PRICES OF CEDAR BEDDING

100-lb. bales	\$6.50
50-lb. bales	3.75
25-lb. bales	2.25
1-lb. bales, postpaid	.40

### KEN-L-RATION—THE DOG FOODS SUPREME (in cans)

**Ken-L-Ration** is composed of clean wholesome meat, the best grade of cereals and Norwegian Cod Liver Oil in exactly the right proportions to make a perfect balanced ration. 1-lb. can 18c; 3 lbs. 50c. If wanted by mail, add postage.

**Hemo-Ration** is a meat, blood, cereal and Cod Liver Oil product, rich in organic iron and calcium phosphate. The ideal food for breeding stock, anemics and convalescents. 1-lb. can 18c; 3 lbs. 50c. If wanted by mail, add postage.

**Pup-E-Ration** is the perfect puppy food. Very rich in protein, calcium phosphate, organic iron, cod liver oil and marrow fat. 1-lb. can, 20c. If wanted by mail, add postage.

# Dethol

Destroys all insects. It is stainless; can be sprayed direct on poultry. A thorough disinfectant. ½ pt. 50c; 1 pt. 75c; 1 qt. \$1.25; 1 gal. \$4.00. Combination Sprayer and Pint of Dethol, \$1.00. Being a liquid, it cannot be sent by parcel post; express only.



## Fly-No-More

Banishes flies, mosquitoes, fleas, ants, bed-bugs, roaches, etc. 16 oz. 65c; 1 qt. \$1.00. Not mailable.

## Conkey's Roup Remedy

Prices—Pkg. 30c, 60c, \$1.20; or 35c, 65c, \$1.30 postpaid; 1½-lb. can, \$2.50, postpaid; breeder size, (5-lb. can), \$5.75, postpaid.  
Conkey's Roup Pills—Pkg. 30c, 60c, \$1.20; or 35c, 65c, \$1.30, postpaid; breeder size (1,000 pills), \$3.00; or \$3.10, postpaid.

## Conkey's White Diarrhea Remedy

As a preventive of bowel troubles, White Diarrhea and other digestive complaints, this remedy has given great satisfaction for many years.

Prices—30c, 60c, \$1.20; or 35c, 65c, \$1.30, postpaid. Breeder size (1,200 Tablets), \$4.00; or \$4.10, postpaid.

Conkey's Canker and Bronchitis Remedy—Pkg. 50c; pt. \$1.20; qt. \$2.00; gal. \$7.00. All sent carrying charges extra.

Conkey's Cholera Remedy—Pkg. 25c, 50c, \$1.00; or 30c, 55c, \$1.10, postpaid; breeder size (5 lbs.), \$2.50; or \$2.65, postpaid.

Conkey's Poultry Laxative—Pkg. 25c, 50c; or 30c, 55c, postpaid; breeder size (5 lbs.), \$2.75; or \$2.90, postpaid.

Conkey's Nox-i-cide—Pint 50c, qt. 80c, ½ gal. \$1.30; gal. \$2.00; 5 gal. \$9.25; 10 gal. \$17.75. Parcel post, express or freight charges extra.

Conkey's Sorehead Remedy—Pkg. 25c, 50c; or 30c, 55c, postpaid; breeder size (1 lb. salve, 5 lbs. powder), \$3.50; \$3.65, postpaid; 10 lbs. powder only, \$3.50; \$3.65, postpaid.

Conkey's Gape Remedy—Pkg. 25c, 50c; or 30c, 55c, postpaid. Conkey's Poultry Conditioner—Pkg. 25c, 50c; or 30c, 55c, postpaid.

Conkey's Limberneck Remedy—Pkg. 50c; or 55c, postpaid. Conkey's Blackhead Remedy—Pkg. 50c; or 55c, postpaid. Conkey's Lice Fix—Pkg. 25c, 50c; or 30c, 55c, postpaid. Conkey's Head Lice Ointment—Pkg. 10c, 25c; or 15c, 30c, postpaid.

Conkey's Lice Powder—Pkg. 35c, 75c; pails 12 lbs. \$2.60; 25 lbs. \$5.00. Parcel post, express or freight extra. Conkey's Scaly Leg Remedy—Pkg. 25c, or 30c, postpaid. Conkey's Poultry Worm Remedy—Pkg. 25c, 50c; or 30c, 55c, postpaid; breeder size (5 lbs.), \$2.75; or \$2.85, postpaid.

Conkey's Stock Tonic—Pkg. 25c, 50c, \$1.00; pails, 12 lbs. \$2.10; 25 lbs. \$3.45; bags, 50 lbs. \$5.25; 100 lbs. \$10.00. Parcel post, express or freight charges extra.

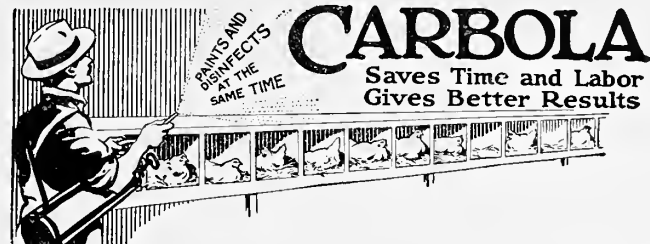
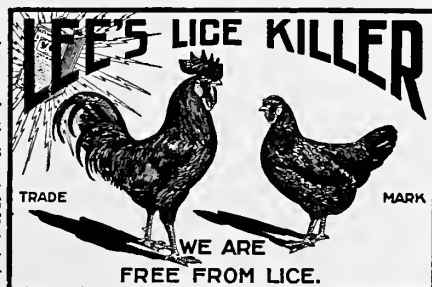
Conkey's Poultry Tonic—Pkg. 1½ lbs. 25c; 3¼ lbs. 50c; 7 lbs. \$1.00; pails, 12 lbs., \$1.60; 25 lbs. \$3.00; bags, 50 lbs., \$5.00; 100 lbs. \$9.50. Parcel post, express or freight charges extra.

Conkey's Y. O. Yeast With Cod Liver Oil—1 lb. 65c; 2 lbs. \$1.15; 5 lbs. \$2.50; 25 lbs. \$11.25; 50 lbs. \$20.00; 100 lbs. \$32.50. Oculum—A remedy and preventive for most poultry diseases, also tonic. 50c, postpaid 60c.

Cholera—One of the best poultry tonics and general remedy known. Pkg. 50 tablets 65c; 100 tablets \$1.00, postpaid. In liquid form, 16 oz. 65c; 1 qt. \$1.00; 1 gal. \$2.50. Liquid not mailable.

LEE'S LICE KILLER—Liquid—Qt. 60c; 2 qts. 90c; 1 gal. \$1.50.

LEE'S GERMO-ZONE—The best tonic for poultry of all kinds. Cures roupe, cholera, and other poultry diseases. 1 gal. \$4.50; 32-oz. bottle, \$1.50; 12-oz. bottle, 75c; 4-oz. bottle, 40c; in tablet form, 65c and 25c, postpaid.



**CARBOLA**—The Disinfectant That Paints—Use it instead of Whitewash. Put on with a brush or sprayer—A snow-white cold water paint that will not blister, flake or peel off, combined with a germicide twenty times stronger than carbolic acid, but neither caustic nor poisonous.

Particularly good for use in stables, cow barns, chicken coops, dairies, hog pens, creameries, cellars, factories, outbuildings. Prices: 5 lbs. makes 5 gals. 75c; 10 lbs. \$1.25; 50 lbs. \$5.00.

**Yellow**—For killing rats, mice and other rodents. 2 oz. 50c; 8 oz. \$1.50.

**BARIUM CARBONATE**—A tasteless and odorless mineral recommended by the U. S. Government for exterminating rats and mice. It was used for cleaning Baltimore of this pest. 25c pkt. \$2.50 per doz.

## Common Sense Exterminator



Why feed rats when a 25c can of "Common Sense" will clean them out?

"Common Sense" has been on the market for over a quarter century. It does the work or we would not handle it.

Get a can NOW and if you do not find it entirely satisfactory, we will refund your money.

## RAX IS NOT A POISON



Harmless to human beings, animal pets, poultry and birds, but a virus deadly to rats and mice. May be used anywhere with absolute safety.

It gets them all and is therefore the cheapest rat exterminator on the market at any price.

## How to Use Rax

Simply add water to the bottle and shake well. Moisten (don't soak) bait stale bread, crackers, cheese—with the mixture and place easily available to holes and runways where rats and mice will readily eat it.

Directions are furnished with each package. One bottle is enough for an ordinary house; allow one bottle to each 500 feet of floor space in barns, warehouses, etc.

Price: 75c per bottle, postpaid.

**CARBOLINEUM**—Will keep your Poultry House clean and free from Mites, Lice and Ticks. It is valuable for the fruit grower as a bark treatment. The best wood preserver known and of great benefit for the farmer, for dipping seed corn, to keep the crows from eating it. Gallon \$1.50. Cannot be sent parcel post.



"Zenoleum" Disinfectant, Lice Killer and Animal Dip—We have been selling this article for years, and find it most

satisfactory. One gallon makes 100 gallons of fluid. 8 oz. 35c; 1 pt. 50c; 1 qt. 75c; 2 qt. \$1.25; 1 gal. \$2.00. Liquid.

**GERMO CREOSOTE DISINFECTANT AND DIP**—1 qt. 50c; 2 qts. 90c; 1 gal. \$1.50.

Gentlemen:—

The 600 chicks which I received from you are doing nicely; only one is dead. They were a very nice lot of chicks and I am very well pleased with them.

Yours truly,

GEORGE H. LONG,  
Arnold, Md.

April 12, 1926.



## M. & S. WONDER BRED CHICKS

Are hatched to live and mature to big fine healthy specimens. We are this season hatching thousands weekly, and are better prepared than ever to fill wants of patrons.

We advise placing orders ahead of time, as the demand for our **M. & S. WONDER BRED CHICKS** is always great. We will start deliveries the last week in February and continue until the first of June on all popular breeds.

### LIST OF M. & S. WONDER BRED CHICKS Prices for February and March Subject to Change Without Notice

Special prices on 500 and over lots.

	100	50	25	12
Single Comb White Leghorns.....	\$15.00	\$8.00	\$4.25	\$2.50
Single Comb Brown Leghorns.....	15.00	8.00	4.25	2.50
Single Comb Buff Leghorns.....	15.00	8.00	4.25	2.50
Single Comb Black Minorcas.....	18.00	9.50	5.00	3.00
Single Comb Mottled Anconas.....	18.00	9.50	5.00	3.00
Barred Plymouth Rocks.....	18.00	9.50	5.00	3.00
Rhode Island Reds.....	18.00	9.50	5.00	3.00
White Wyandotte.....	18.00	9.50	5.00	3.00
White Plymouth Rocks.....	20.00	10.50	5.50	3.25
Buff Plymouth Rocks.....	20.00	10.50	5.50	3.25
Buff Orpington.....	20.00	10.50	5.50	3.25
Jersey Black Giants.....	40.00	22.00	12.00	6.50

April prices \$1.00 per 100 less than February and March.  
May and June prices \$1.00 per 100 less than April.  
Small quantities accordingly. Prices Subject to Change.

# DON SUNG

Chinese for Egg-Laying  
Makes Hens Lay in Any  
Weather



#### COSTS NOTHING TO TRY

Every poultry raiser is invited to try Don Sung—at our risk. Separate 15 hens and give them Don Sung for one month. Then watch results. If Don Sung pays you, keep on with it. If you don't think it has paid you, tell us and back comes your money. No argument to it. Don Sung is guaranteed—try it, at our risk. Prices of Don Sung Tablets: Small size, 50c; large size (3 times the 50c size), \$1.00; Special Size (6 times the \$1.00 size), \$5.00. We can also supply **POWDERED Don Sung** (for large flocks) at these prices: 3 lbs. (same quantity as \$5.00 package of tablets), \$5.00; 10 lbs. \$10.00; 25 lbs. \$20.00; 50 lbs. \$35.00; 100 lbs. \$65.00. All postpaid.

# AVICOL

For White Diarrhea  
in Chicks and Black-  
Head in Turkeys

#### USE AVICOL FOR PREVENTION AND TREATMENT

Don't sit back and say your loss of baby chicks can't be stopped. IT CAN BE STOPPED—easily, quickly, and at almost no expense. All you need do is drop an Avicol tablet in the water occasionally. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chick withstand infection. Price, 50c; Special Large Size (almost 3 times 50c size), \$1.00. Postpaid.

### Talcimized Sodium Fluoride Kills Chicken Lice

Talcimized Sodium Fluoride (called "T. S. F.") is made especially for poultry use. It is less irritating than straight Sodium Fluoride, penetrates the plumage more thoroughly, and comes packed in a moisture-proof, shaker-top package bearing the U. S. Government's directions for using. It is convenient—never cakes or loses strength—and always does the work. Full directions are on every can of T. S. F. for use in three ways, either by dip, dusting or pinch methods. Prices—Small Size (for 50 chickens), 35c, postpaid 40c; Large Size (twice the 35c size), 60c, postpaid 70c; Special Size (5 times 60c size), \$2.50, postpaid \$2.65.

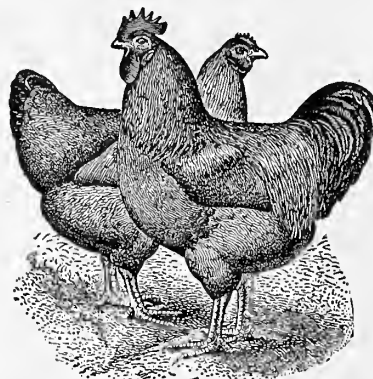
### Roup-Over

"The Over-Night Roup Remedy" For Roup, Canker and Colds. Use Roup-Over at the very beginning of colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking water for flock prevention. Leading poultry raisers everywhere now use Roup-Over, the over-night roup remedy. It's so easy! So sure! There's no other remedy like it—nothing "just as good." Have a bottle ready to use when you need it. Price, 50c; Large Size (3 times 50c size), \$1.00.

#### NOTICE!

Due to the close margin on which baby chicks, eggs and all live stock is sold we are obliged to sell this commodity for spot cash only. All orders should be accompanied by cash. One-fourth (25 per cent) of the amount of the order should accompany all orders for baby chicks for future delivery.

We exercise the greatest of care to send out vigorous and healthy chicks, but due to the many causes which hinder the growth and health of chicks, it is impossible for us to guarantee their development.

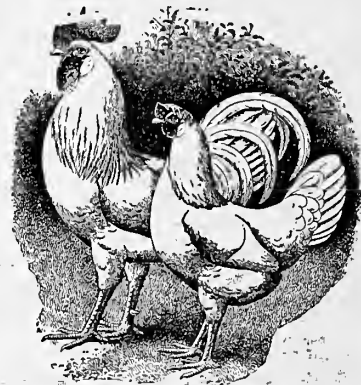


Single Comb Rhode Island Reds

### Single Comb Leghorns

The most popular fowl of the day. They grow very fast, often laying when only four or five months old; non-setters. Three varieties—White, Brown, and Buff Leghorns.

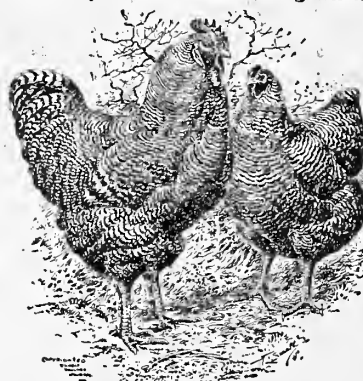
Garrison, Md., May 1, 1925.  
Gentlemen—Out of the 200 chicks purchased from you last year I raised 130 out of which I culled 52 pullets. These turned out to be wonderful layers. They started to lay November and kept right through the winter. Their highest laying period was week of February 15th to 22nd during



Single Comb White Leghorns

which time they layed 16 1/3 dozen. All through the season they never layed less than 20 eggs a day.

J. B. CAHN.



Barred Plymouth Rocks

### Plymouth Rocks

The best general purpose fowl; good layers, splendid breeders, are hardy and vigorous. Three varieties: Barred, White, and Buff Rocks.

### Poultry and Eggs

We can furnish most all popular breeds. Let us know your wants.

July 15, 1926.

Gentlemen—

The Barred Rock chicks which you recently sent me were received in excellent condition and I must say they are a fine lot. So far only one has died.

Yours very truly,

MRS. H. STUMP, Belair, Md.

May 1, 1926.

Gentlemen—

The R. I. Red chicks which you sent me were certainly a nice lot and I was very well pleased with them. Out of the 100 I raised 95, which I consider a very high percentage.

Yours truly,

C. M. BENNETT, Timonium, Md.

DATE.....192....

SHIP TO.....  
Prefix Mr., Mrs. or Miss.....

C/O.....FREIGHT or  
EXPRESS ADDRESS.....

SEND BY.....STATE.....

CHARGE TO..... SUPERINTENDENT'S or  
GARDENER'S NAME.....

CHARGE ADDRESS.....

AMOUNT ENCLOSED	STAMPS	M. O.	CHECK	CASH

DON'T  
WRITE HERE

## SPEC. TERMS

ORDER No. \_\_\_\_\_

**DO NOT FILL OR SHIP UNLESS MARKED  
PAID, OR CHARGE AND REGISTERED**

[illegible]

The Meyer Seed Co. endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions they can be returned to us at once. No plants sent C. O. D.

## SPECIAL NOTICE

**It is always best to write letters and inquiries on a separate memorandum. NOT on order sheets.**

**OVER**

[illegible]

# The MEYER SEED COMPANY



**T**WO gorgeous plants which are perfectly hardy and will last indefinitely after once planted. Will thrive most anywhere without much attention.

## Tritoma or Red Hot Poker

Flowers glowing red, as the name implies. Very handsome and unique. **Price:** 30c each; 3 for 85c. Larger plants, 60c. Extra large plants, \$1.25.

## The Butterfly Bush

Very hardy; blooms the first season; flowers from early summer until frost. Rich, striking color. Splendid for cutting. Very free flowering; fragrant odor. **Price:** 30c each; 3 for 85c. Larger plants, 60c. Extra large plants, \$1.25.

Both ready in May and sent postpaid.  
Order now, before supply is exhausted.



# Wizard

TRADE MARK

## Sheep Manure



## *Makes all Plants Grow!*



**Y**OU can't expect a beautiful lawn and garden or crisp, luscious vegetables unless you have a rich, fertile soil. It is a waste of time and money to plant in hard, worn-out soils that bake hard as a brick in the summer sun. WIZARD is a concentrated natural fertilizer that supplies the humus and plant food so necessary to make plants grow. It puts new life into worn-out soils. WIZARD is weedless and economical—ONE BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE. It is not a chemical stimulant, but is a real soil builder of lasting benefit.

**LAWNS**—Wizard Sheep Manure produces a thick, velvety, green turf of lasting beauty. Make an application early in Spring and you will be surprised at the new beauty it will develop. On new lawns broadcast 10 pounds to every 100 square feet and rake into the surface soil. To renew old lawns, rake well and broadcast 6 to 10 pounds per 100 square feet. Avoid weeds by using WIZARD.

**FLOWER GARDENS**—Luxuriant green foliage and a wealth of vivid colored flowers are the result of feeding your plants with WIZARD. In making new planting be sure the soil under the roots is made rich and fertile. Light applications during the growing season will put new life into your plants and prolong the blooming period. A handful mixed well with the soil under each plant will insure strong, rugged growth. Broadcast 10 pounds per 100 square feet of garden soil.

**VEGETABLES AND FRUIT**—If you want a big crop of crisp, tender vegetables, be sure to use WIZARD. Every practical gardener knows that there is nothing better than manure to grow big crops of vegetables. Fruit crops respond quickly to this natural plant food. It improves the yield, color and flavor.

**FLORISTS**—Wizard Sheep and Cow Manures have been the standard of quality for twenty years. For feeding and liquid manuring WIZARD is unexcelled. Cow Manure is preferred for use on Roses, Lilies, etc., and for mixing with bench and potting soil. You need manure to grow plants at a profit, and it pays to insist on WIZARD Brand.

### PRICES

**WIZARD BRAND SHEEP MANURE**—Apply 1,000 lbs. per acre. For garden, lawn or greenhouse use. This is where yet get a whole cart load of manure in a 100-lb. bag at a much lower figure. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.00; 500 lbs. \$13.50; 1,000 lbs. \$25.00; per ton, \$47.50.

**WIZARD BRAND COW or CATTLE MANURE**—Convenient to handle, making it possible for everyone to get this usually scarce article at all times. This is where you get a wagon load of manure in a 100-lb. bag. 2 lbs. 15c; 5 lbs. 30c; 10 lbs. 50c; 25 lbs. \$1.00; 50 lbs. \$2.00; 100 lbs. \$3.50; 500 lbs. \$16.25; 1,000 lbs. \$30.00; per ton, \$55.00.

